

Converting Colors

XYZ(76.5023, 90.6936, 96.5002)

Have a look what the booklet for
XYZ(76.5023, 90.6936, 96.5002)
contains.

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Color

**XYZ(76.5390, 90.7082,
96.6935)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFF1
RGB	204, 255, 241
RGB Percent	80%, 100%, 95%
CMY	0.2000, 0.0000, 0.0549
CMYK	0.20, 0.00, 0.05, 0.00
HSL	164°, 100%, 90%
HSV	164°, 20%, 100%
XYZ	76.5390, 90.7082, 96.6935
YIQ	238.1550, -25.9020, -15.1660

Conversions

Conversions Part 2

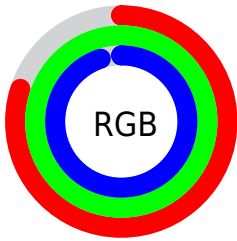
Format	Color
RYB	204, 234, 255
Decimal	13434865
CIELab	96.29, -18.83, 1.36
CIElCh	96, 18.880, 175.858
Yxy	90.7082, 0.2900, 0.3437
Android (android.graphics.Color)	4291624945 (0xFFCCFFF1)
YUV	238.1550, 1.4026, -29.9539
Hunter-Lab	95.2409, -23.2224, 6.4743

Details

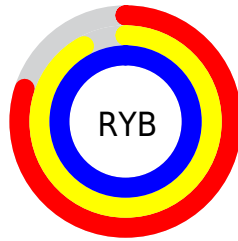
The XYZ color **76.5390, 90.7082, 96.6935** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4884, 69.5088, 75.7678**, and the grayscale version is **81.3916, 85.6303, 93.2514**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3455, 50.2805, 53.4249** is the 20% darker color. If you saturate the color by 10%, you get **69.0872, 86.9852, 90.9923**, and if you desaturate by 10%, it is **85.1771, 95.0382, 102.6628**.

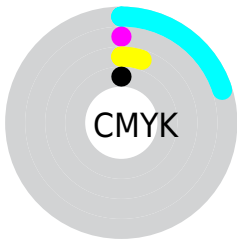
Distribution



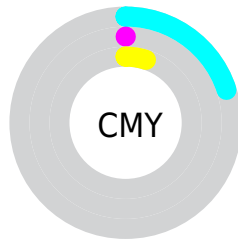
- Red (80%)
- Green (100%)
- Blue (95%)



- Red (80%)
- Yellow (92%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.5390, 90.7082, 96.6935 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.5390, 90.7082, 96.6935 by changing the saturation by 10% instead.


 76.5390, 90.7082,
96.6935

 76.5390, 90.7082,
96.6935


472.1069,
530.3319, 570.6947

 57.1732, 68.5682,
72.9406


127.4648,
148.3217, 158.6178

 41.3850, 50.3601,
53.4359


159.7556,
184.5640, 197.6263

 28.8090, 35.6996,
37.7607


197.0853,
226.2758, 242.5572

 19.0800, 24.2023,
25.4967

239.8195,
273.8416, 293.8288

 11.8324, 15.4837,
16.2251

288.3233,
327.6457, 351.8599

 6.7011, 9.1596,
9.5275

342.9623,

 3.3205, 4.8454,

388.0725, 417.0688

4.9853

404.1017,
455.5065, 489.8743

■ 1.3254, 2.1569,
2.1801

■ 0.2021, 0.6963,
0.6628

■ 76.5390, 90.7082,
96.6935

■ 76.5390, 90.7082,
96.6935

■ 69.0872, 86.9852,
90.9923

■ 85.1771, 95.0382,
102.6628

■ 62.7629, 83.8387,
85.5498

95.0500, 100.0000,
108.9000

■ 57.5062, 81.2382,
80.3624

■ 53.2505, 79.1492,
75.4244

■ 49.9217, 77.5336,
70.7300

■ 47.4348, 76.3476,
66.2727

■ 45.6885, 75.5392,
62.0452

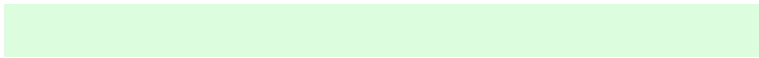
■ 44.5177, 75.0231,
58.0373

■ 44.5176, 75.0230,
58.0369

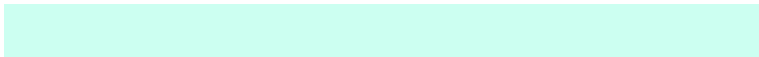
Harmonies

Analogous

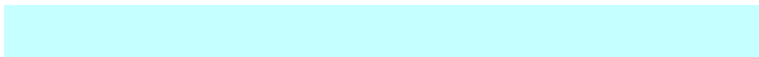
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1318, 90.7082, 83.4202



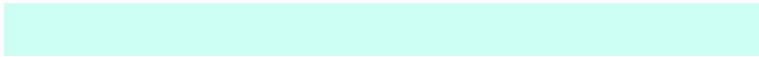
76.5390, 90.7082, 96.6935



77.4513, 90.7082, 111.9117

Triad

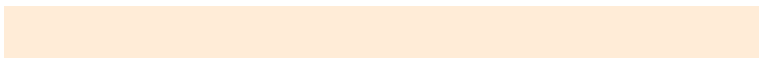
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5390, 90.7082, 96.6935



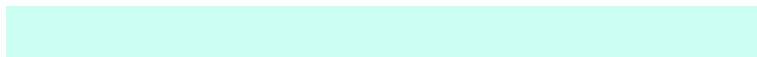
90.6911, 90.7082, 127.1160



92.0028, 90.7082, 76.7294

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



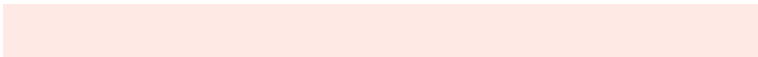
76.5390, 90.7082, 96.6935



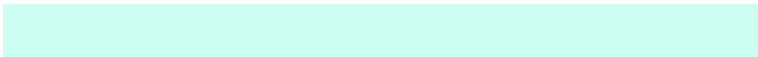
75.4884, 69.5088, 75.7678

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.6169, 90.7082, 86.6920



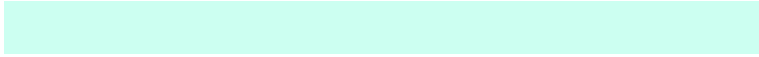
76.5390, 90.7082, 96.6935



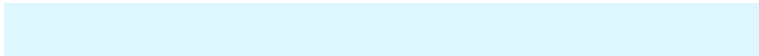
94.8382, 90.7082, 115.8866

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5390, 90.7082, 96.6935



85.4888, 90.7082, 130.4790



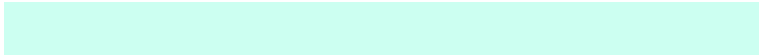
96.6749, 90.7082, 100.8675



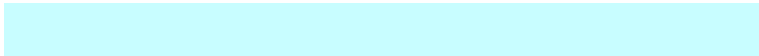
86.9462, 90.7082, 72.6588

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



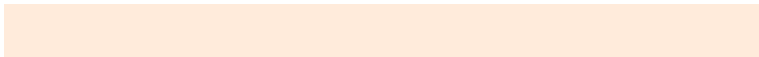
76.5390, 90.7082, 96.6935



79.3781, 90.7082, 120.9861



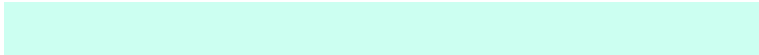
96.6749, 90.7082, 100.8675



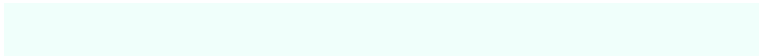
93.4345, 90.7082, 79.4477

Sweetspot

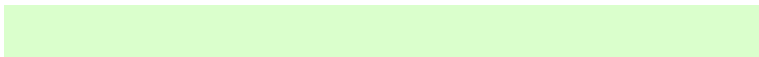
The Sweet Spot groups the original color and five complimentary colors.



76.5399, 90.7087, 96.6950



88.9745, 96.9453, 105.1247



75.7081, 90.8549, 70.6747



18.9085, 20.6821, 22.4143



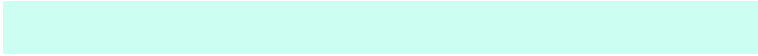
0.0000, 0.0000, 0.0000



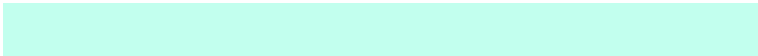
20.3446, 21.4041, 23.3091

Same Dimension

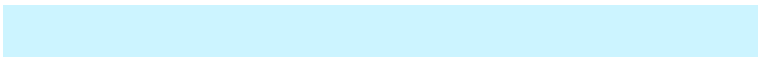
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5399, 90.7087, 96.6950



73.4191, 89.1478, 94.3819



75.2883, 84.7293, 106.9940



18.3296, 20.3914, 22.0387



23.3277, 39.2277, 30.6744



2.3174, 3.8379, 3.2295

Inverse Universe

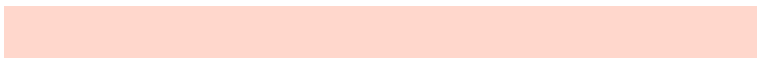
The Inverse Universe completely reimagines the original color for something new.



75.4884, 69.5088, 75.7678



72.1949, 64.4376, 69.9971



76.4530, 74.2470, 67.4298



18.2142, 18.0690, 19.7451



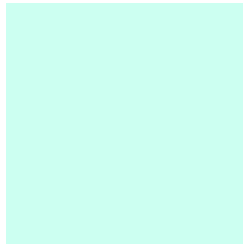
22.1798, 11.3612, 4.3316



2.2033, 1.1237, 0.6518

Previews

White Background



This preview shows how the XYZ color 76.5390, 90.7082, 96.6935 looks on a white background.

Color Contrast Check

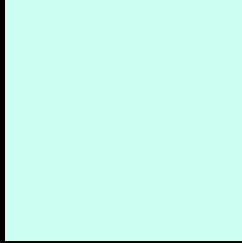
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.5390, 90.7082, 96.6935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

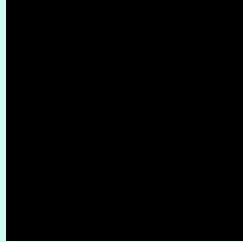
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

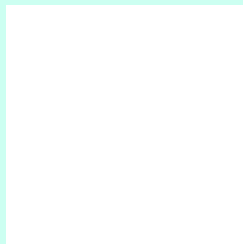
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.5390, 90.7082, 96.6935

Background



This preview shows how black text looks on a background with the XYZ color 76.5390, 90.7082, 96.6935.



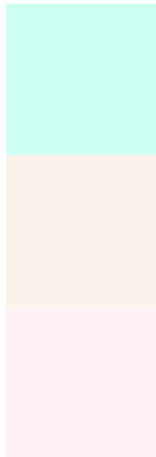
This preview shows how white text looks on a background with the XYZ color 76.5390, 90.7082,

96.6935.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.5390, 90.7082, 96.6935

Protanopia

86.3262, 90.3657, 90.7343

Deuteranopia

88.7292, 90.1118, 98.3047



Tritanopia

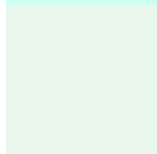
84.2658, 90.7305, 107.6792

Trichromacy



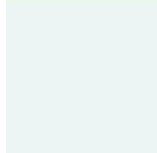
Original Color

76.5390, 90.7082, 96.6935



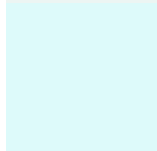
Protanomaly

82.1511, 89.9596, 93.1549



Deuteranomaly

83.4221, 89.6087, 97.6934



Tritanomaly

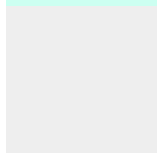
81.2597, 90.6455, 103.6560

Monochromacy



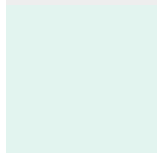
Original Color

76.5390, 90.7082, 96.6935



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.2947, 87.1021, 94.2945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5390, 90.7082, 96.6935 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 241)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 76.5390, 90.7082, 96.6935 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 255, 241) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 255, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5390, 90.7082, 96.6935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 241) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
255, 241) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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