

Converting Colors

XYZ(77.0072, 92.3856, 96.0628)

Have a look what the booklet for
XYZ(77.0072, 92.3856, 96.0628)
contains.

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Color

**XYZ(76.1168, 90.5078,
95.8960)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFFF0
RGB	203, 255, 240
RGB Percent	80%, 100%, 94%
CMY	0.2039, 0.0000, 0.0588
CMYK	0.20, 0.00, 0.06, 0.00
HSL	163°, 100%, 90%
HSV	163°, 20%, 100%
XYZ	76.1168, 90.5078, 95.8960
YIQ	237.7420, -26.1770, -15.6890

Conversions

Conversions Part 2

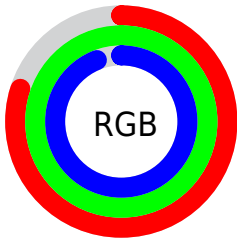
Format	Color
R_{YB}	203, 233, 255
Decimal	13369328
CIE _{Lab}	96.21, -19.33, 1.75
CIE _{LCh}	96, 19.410, 174.824
Yxy	90.5078, 0.2899, 0.3448
Android (android.graphics.Color)	4291559408 (0xFFC _B FFF0)
YUV	237.7420, 1.1132, -30.4687
Hunter-Lab	95.1356, -23.6716, 6.8310

Details

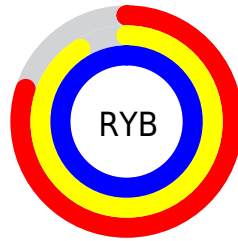
The XYZ color **76.1168, 90.5078, 95.8960** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.2515, 69.0350, 75.6890**, and the grayscale version is **81.0744, 85.2966, 92.8880**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0586, 50.1448, 52.8623** is the 20% darker color. If you saturate the color by 10%, you get **68.6636, 86.7892, 89.9594**, and if you desaturate by 10%, it is **84.7582, 94.8337, 102.1223**.

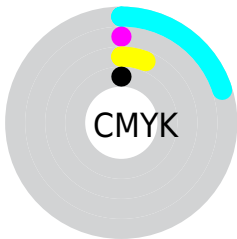
Distribution



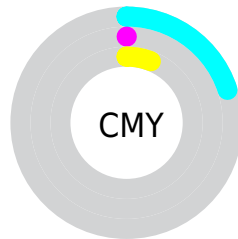
- Red (80%)
- Green (100%)
- Blue (94%)



- Red (80%)
- Yellow (91%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1168, 90.5078, 95.8960 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 76.1168, 90.5078, 95.8960 by changing the saturation by 10% instead.


 76.1168, 90.5078,
95.8960

 76.1168, 90.5078,
95.8960


470.6857,
529.6813, 568.0869

 56.8257, 68.4019,
72.2799


126.8715,
148.0435, 157.5081

 41.1049, 50.2248,
52.8992


159.0657,
184.2422, 196.3412

 28.5891, 35.5920,
37.3351


196.2918,
225.9072, 241.0838

 18.9129, 24.1193,
25.1692

238.9149,
273.4229, 292.1543

 11.7110, 15.4221,
15.9830

287.3005,
327.1738, 349.9713

 6.6180, 9.1162,
9.3579

341.8139,

 3.2686, 4.8170,

387.5442, 414.9534

4.8754

402.8205,
454.9186, 487.5191

■ 1.2973, 2.1403,
2.1169

■ 0.1812, 0.6872,
0.6258

■ 76.1168, 90.5078,
95.8960

■ 76.1168, 90.5078,
95.8960

■ 68.6636, 86.7892,
89.9594

■ 84.7582, 94.8337,
102.1223

■ 62.3397, 83.6478,
84.3027

94.6376, 99.7928,
108.6391

■ 57.0850, 81.0525,
78.9218

95.0500, 100.0000,
108.9000

■ 52.8325, 78.9690,
73.8109

■ 49.5075, 77.3588,
68.9634

■ 47.0246, 76.1778,
64.3726

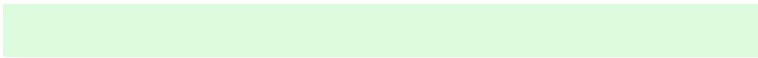
■ 45.2815, 75.3735,
60.0306

■ 44.1465, 74.8746,
56.0828

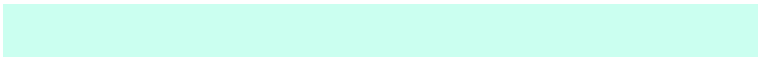
Harmonies

Analogous

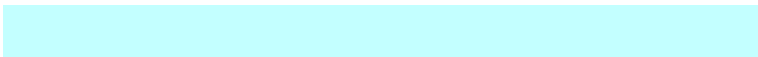
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8338, 90.5078, 82.4284



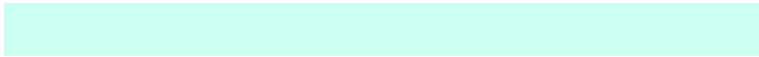
76.1168, 90.5078, 95.8960



76.9630, 90.5078, 111.5329

Triad

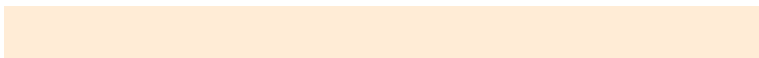
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1168, 90.5078, 95.8960



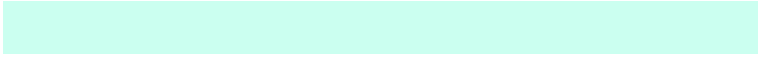
90.4470, 90.5078, 127.9948



92.1305, 90.5078, 76.2361

Complementary

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



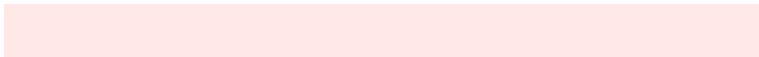
76.1168, 90.5078, 95.8960



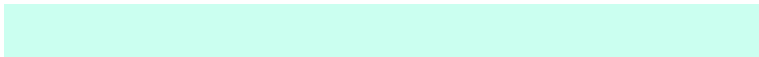
75.2515, 69.0350, 75.6890

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.



95.7716, 90.5078, 86.6115



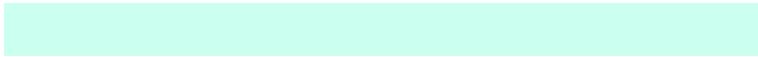
76.1168, 90.5078, 95.8960



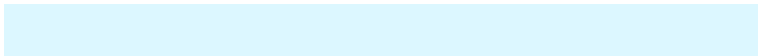
94.7715, 90.5078, 116.6422

Square

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



76.1168, 90.5078, 95.8960



85.0940, 90.5078, 131.1389



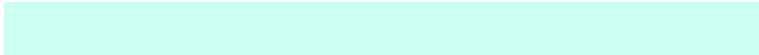
96.7576, 90.5078, 101.2477



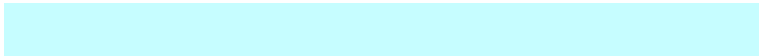
86.9626, 90.5078, 71.8599

Rectangle

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



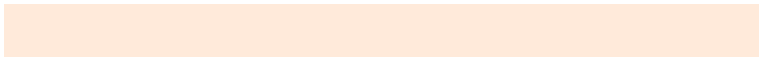
76.1168, 90.5078, 95.8960



78.8860, 90.5078, 120.9713



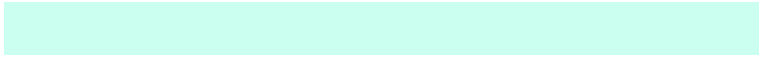
96.7576, 90.5078, 101.2477



93.5821, 90.5078, 79.0817

Sweetspot

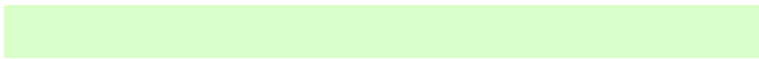
The Sweet Spot groups the original color and five complimentary colors.



76.1177, 90.5082, 95.8975



88.9409, 96.9318, 104.9477



75.6335, 90.8303, 70.0471



18.9006, 20.6789, 22.3724



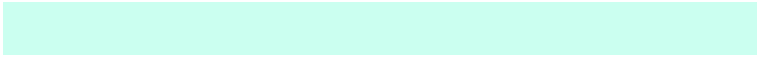
0.0000, 0.0000, 0.0000



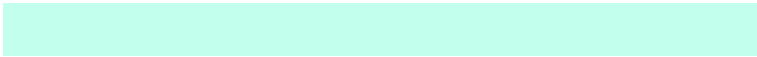
20.3446, 21.4041, 23.3091

Same Dimension

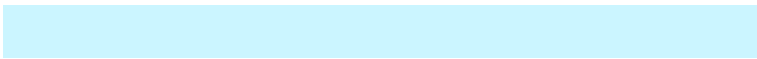
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1177, 90.5082, 95.8975



73.2937, 89.0976, 93.7217



75.2109, 84.9802, 107.0465



18.3184, 20.3869, 21.9795



23.1354, 39.1508, 29.6620



2.3000, 3.8309, 3.1375

Inverse Universe

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



75.2515, 69.0350, 75.6890



72.3020, 64.4805, 70.5611



75.9153, 73.3629, 66.6607



18.2248, 18.0732, 19.8010



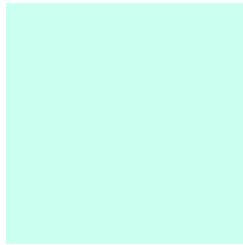
22.2423, 11.3862, 4.6606



2.2105, 1.1266, 0.6900

Previews

White Background



This preview shows how the XYZ color 76.1168, 90.5078, 95.8960 looks on a white background.

Color Contrast Check

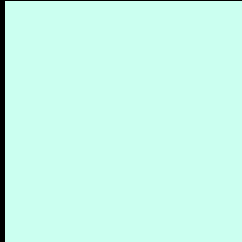
Large Text (above 18pt) WCAG AA × Fail

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 76.1168, 90.5078, 95.8960 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

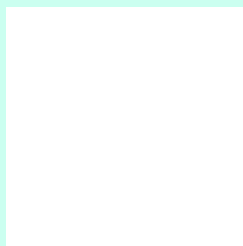
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1168, 90.5078, 95.8960

Background



This preview shows how black text looks on a background with the XYZ color 76.1168, 90.5078, 95.8960.



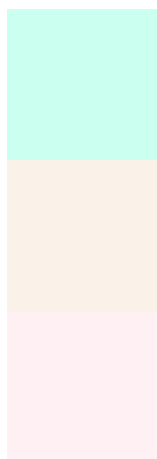
This preview shows how white text looks on a background with the XYZ color 76.1168, 90.5078,

95.8960.

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

76.1168, 90.5078, 95.8960

Protanopia

85.8845, 89.7114, 89.8802

Deuteranopia

88.7292, 90.1118, 98.3047



Tritanopia

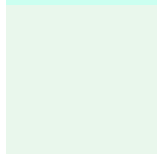
83.6389, 89.9545, 107.5625

Trichromacy



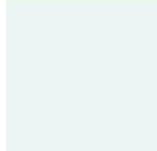
Original Color

76.1168, 90.5078, 95.8960



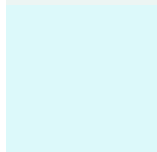
Protanomaly

82.0054, 89.9013, 92.3874



Deuteranomaly

83.4221, 89.6087, 97.6934



Tritanomaly

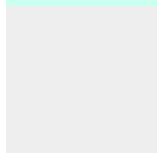
80.6462, 89.8691, 103.5384

Monochromacy



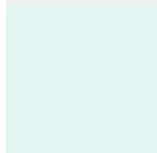
Original Color

76.1168, 90.5078, 95.8960



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9820, 86.9409, 94.2798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1168, 90.5078, 95.8960 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(203, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 240)  
}
```

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(203, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 76.1168, 90.5078, 95.8960 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(203, 255, 240) }
```


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

```
.border{ border-color:rgb(203, 255, 240) }
```

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

Here you see how a box with a 4 pixel rgb(203, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1168, 90.5078, 95.8960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 240) }
```

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

```
.background{ background-color: rgb(203,  
255, 240) }
```

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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