

Converting Colors

XYZ(76.3642, 90.6383, 95.7731)

Have a look what the booklet for
XYZ(76.3642, 90.6383, 95.7731)
contains.

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Color

**XYZ(76.3900, 90.6486,
95.9088)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFF0
RGB	204, 255, 240
RGB Percent	80%, 100%, 94%
CMY	0.2000, 0.0000, 0.0588
CMYK	0.20, 0.00, 0.06, 0.00
HSL	162°, 100%, 90%
HSV	162°, 20%, 100%
XYZ	76.3900, 90.6486, 95.9088
YIQ	238.0410, -25.5810, -15.4770

Conversions

Conversions Part 2

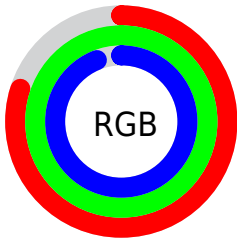
Format	Color
RYB	204, 234, 255
Decimal	13434864
CIELab	96.27, -19.03, 1.84
CIELCh	96, 19.116, 174.468
Yxy	90.6486, 0.2905, 0.3447
Android (android.graphics.Color)	4291624944 (0xFFCCFF0)
YUV	238.0410, 0.9658, -29.8540
Hunter-Lab	95.2096, -23.3999, 6.9213

Details

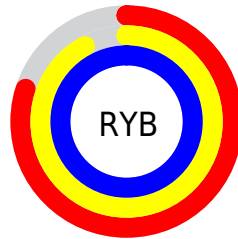
The XYZ color **76.3900, 90.6486, 95.9088** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6197, 69.5613, 76.4593**, and the grayscale version is **81.3064, 85.5407, 93.1538**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2402, 50.2384, 52.8708** is the 20% darker color. If you saturate the color by 10%, you get **68.8726, 86.8993, 89.8619**, and if you desaturate by 10%, it is **85.0996, 95.0072, 102.2548**.

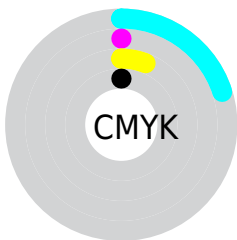
Distribution



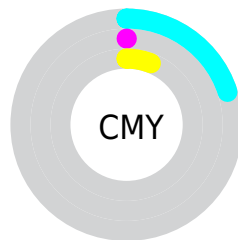
- Red (80%)
- Green (100%)
- Blue (94%)



- Red (80%)
- Yellow (92%)
- 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 76.3900, 90.6486, 95.9088 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 76.3900, 90.6486, 95.9088 by changing the saturation by 10% instead.


 76.3900, 90.6486,
95.9088

 76.3900, 90.6486,
95.9088

471.6056,
530.1385, 568.1288

 57.0505, 68.5187,
72.2905


127.2555,
148.2390, 157.5259

 41.2861, 50.3198,
52.9078


159.5122,
184.4683, 196.3618

 28.7314, 35.6676,
37.3419


196.8054,
226.1662, 241.1074

 19.0210, 24.1776,
25.1745

239.5003,
273.7171, 292.1812

 11.7895, 15.4654,
15.9869

287.9625,
327.5054, 350.0017

 6.6717, 9.1467,
9.3606

342.5572,

 3.3021, 4.8370,

387.9154, 414.9874

4.8771

403.6498,
455.3317, 487.5569

■ 1.3155, 2.1519,
2.1179

■ 0.1948, 0.6936,
0.6264

■ 76.3900, 90.6486,
95.9088

■ 76.3900, 90.6486,
95.9088

■ 68.8726, 86.8993,
89.8619

■ 85.0996, 95.0072,
102.2548

■ 62.4883, 83.7289,
84.1041

95.0500, 100.0000,
108.9000

■ 57.1774, 81.1067,
78.6311

■ 52.8731, 78.9983,
73.4369

■ 49.5011, 77.3654,
68.5149

■ 46.9763, 76.1642,
63.8581

■ 45.1973, 75.3427,
59.4586

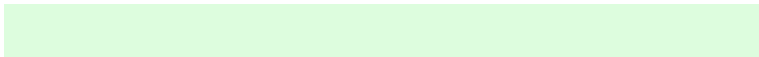
■ 43.9989, 74.8156,
55.3053

■ 43.9988, 74.8155,
55.3049

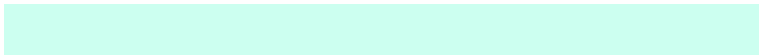
Harmonies

Analogous

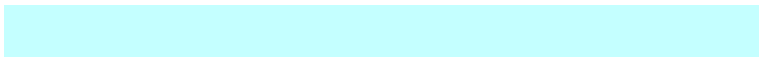
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1136, 90.6486, 82.6632



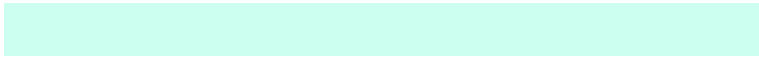
76.3900, 90.6486, 95.9088



77.1953, 90.6486, 111.3151

Triad

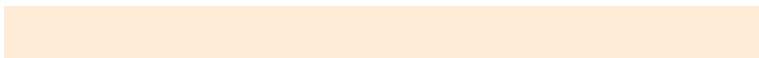
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3900, 90.6486, 95.9088



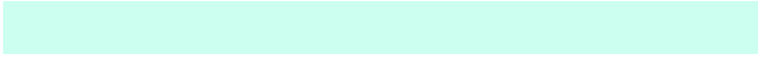
90.4575, 90.6486, 127.7815



92.2300, 90.6486, 76.7647

Complementary

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



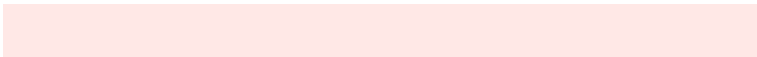
76.3900, 90.6486, 95.9088



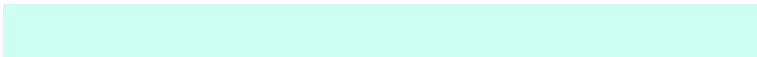
75.6197, 69.5613, 76.4593

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.



95.7906, 90.6486, 87.0776



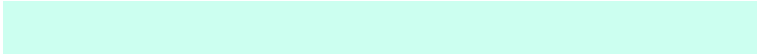
76.3900, 90.6486, 95.9088



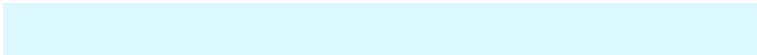
94.7382, 90.6486, 116.6894

Square

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



76.3900, 90.6486, 95.9088



85.1783, 90.6486, 130.7623



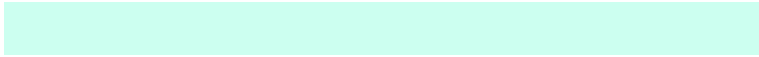
96.7268, 90.6486, 101.5467



87.1468, 90.6486, 72.3618

Rectangle

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



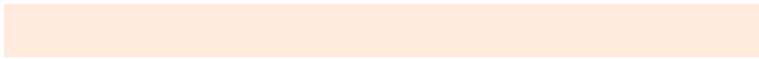
76.3900, 90.6486, 95.9088



79.0755, 90.6486, 120.6357



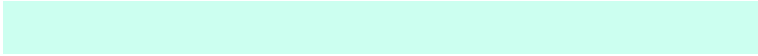
96.7268, 90.6486, 101.5467



93.6529, 90.6486, 79.6005

Sweetspot

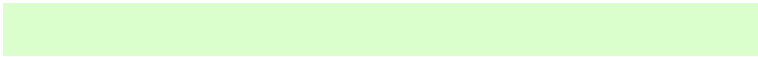
The Sweet Spot groups the original color and five complimentary colors.



76.3909, 90.6491, 95.9103



88.9273, 96.9264, 104.8761



75.9636, 90.9866, 70.6867



18.8974, 20.6776, 22.3554



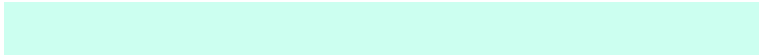
0.0000, 0.0000, 0.0000



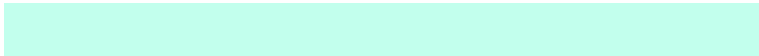
20.3446, 21.4041, 23.3091

Same Dimension

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



76.3909, 90.6491, 95.9103



73.2431, 89.0774, 93.4551



75.5445, 85.2418, 107.0794



18.3138, 20.3851, 21.9556



23.0588, 39.1201, 29.2589



2.2930, 3.8281, 3.1008

Inverse Universe

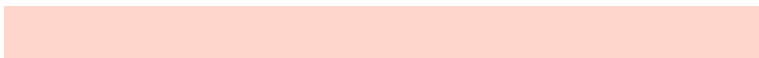
The Inverse Universe completely reimagines the original color for something new.



75.6197, 69.5613, 76.4593



72.3456, 64.4979, 70.7906



76.2371, 73.8151, 67.3578



18.2291, 18.0750, 19.8237



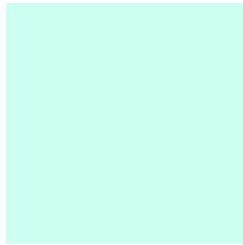
22.2686, 11.3967, 4.7991



2.2135, 1.1278, 0.7059

Previews

White Background



This preview shows how the XYZ color 76.3900, 90.6486, 95.9088 looks on a white background.

Color Contrast Check

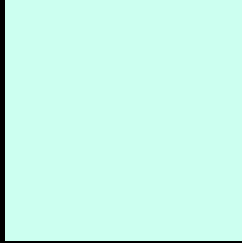
Large Text (above 18pt) WCAG AA × Fail

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 76.3900, 90.6486, 95.9088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

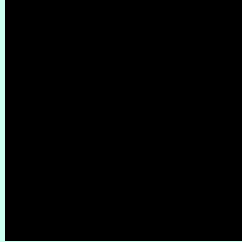
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

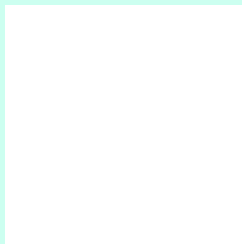
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.3900, 90.6486, 95.9088

Background



This preview shows how black text looks on a background with the XYZ color 76.3900, 90.6486, 95.9088.



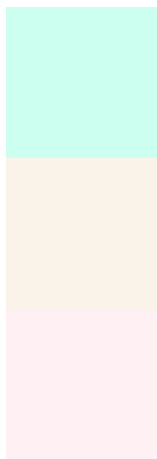
This preview shows how white text looks on a background with the XYZ color 76.3900, 90.6486,

95.9088.

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

76.3900, 90.6486, 95.9088

Protanopia

86.1829, 90.3084, 89.9797

Deuteranopia

88.7292, 90.1118, 98.3047



Tritanopia

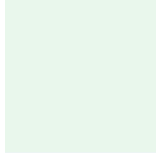
83.9608, 90.1205, 107.5775

Trichromacy



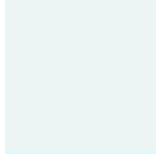
Original Color

76.3900, 90.6486, 95.9088



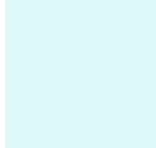
Protanomaly

82.0054, 89.9013, 92.3874



Deuteranomaly

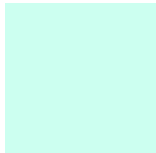
83.4221, 89.6087, 97.6934



Tritanomaly

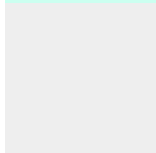
80.9498, 90.0256, 103.5527

Monochromacy



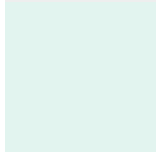
Original Color

76.3900, 90.6486, 95.9088



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 76.3900, 90.6486, 95.9088 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 76.3900, 90.6486, 95.9088 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, 240) }
```


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

```
.border{ border-color:rgb(204, 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(204, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3900, 90.6486, 95.9088 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, 240) }
```

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

```
.background{ background-color: rgb(204,  
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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