

Converting Colors

XYZ(79.9871, 100.0000,
98.4096)

Have a look what the booklet for
XYZ(79.9871, 100.0000, 98.4096)
contains.

XYZ(74.9259, 89.8766, 96.6180)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.9259, 89.8766,
96.6180)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FFF1
RGB	198, 255, 241
RGB Percent	78%, 100%, 95%
CMY	0.2235, 0.0000, 0.0549
CMYK	0.22, 0.00, 0.05, 0.00
HSL	165°, 100%, 89%
HSV	165°, 22%, 100%
XYZ	74.9259, 89.8766, 96.6180
YIQ	236.3610, -29.4780, -16.4380

Conversions

Conversions Part 2

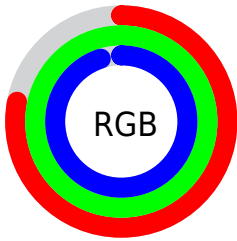
Format	Color
R_{YB}	198, 230, 255
Decimal	13041649
CIE _{Lab}	95.95, -20.64, 0.82
CIE _{LCh}	96, 20.655, 177.724
Yxy	89.8766, 0.2866, 0.3438
Android (android.graphics.Color)	4291231729 (0xFFC6FFF1)
YUV	236.3610, 2.2870, -33.6426
Hunter-Lab	94.8033, -24.8318, 5.9374

Details

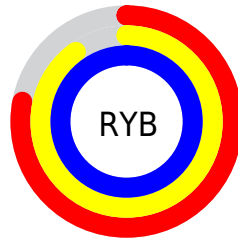
The XYZ color **74.9259, 89.8766, 96.6180** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.3184, 66.4029, 71.2406**, and the grayscale version is **80.0044, 84.1709, 91.6621**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2787, 49.7306, 53.3750** is the 20% darker color. If you saturate the color by 10%, you get **67.8415, 86.3307, 91.4878**, and if you desaturate by 10%, it is **83.1759, 94.0197, 101.9736**.

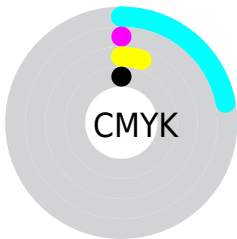
Distribution



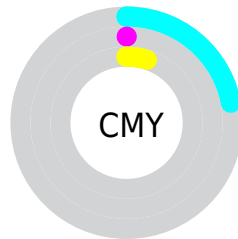
- Red (78%)
- Green (100%)
- Blue (95%)



- Red (78%)
- Yellow (90%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9259, 89.8766, 96.6180 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 74.9259, 89.8766, 96.6180 by changing the saturation by 10% instead.

74.9259, 89.8766,
96.6180

74.9259, 89.8766,
96.6180

466.6639,
527.6294, 570.4481

55.8461, 67.8783,
72.8781

125.1959,
147.1670, 158.5128

40.3161, 49.7987,
53.3850

157.1169,
183.2278, 197.5047

27.9704, 35.2535,
37.7204

194.0490,
224.7450, 242.4178

18.4437, 23.8582,
25.4656

236.3576,
272.1029, 293.6704

11.3706, 15.2285,
16.2021

284.4081,
325.6859, 351.6812

6.3858, 8.9799,
9.5114

338.5657,

3.1239, 4.7281,

385.8783, 416.8688

4.9749

399.1959,
453.0647, 489.6515

■ 1.2196, 2.0886,
2.1740

■ 0.1218, 0.6582,
0.6593

■ 74.9259, 89.8766,
96.6180

■ 74.9259, 89.8766,
96.6180

■ 67.8415, 86.3307,
91.4878

■ 83.1759, 94.0197,
101.9736

■ 61.8630, 83.3512,
86.5740

■ 92.6416, 98.7857,
107.5542

■ 56.9293, 80.9068,
81.8738

■ 95.0500, 100.0000,
108.9000

■ 52.9725, 78.9623,
77.3821

■ 49.9163, 77.4785,
73.0936

■ 47.6727, 76.4101,
69.0026

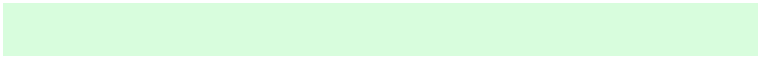
■ 46.1353, 75.7023,
65.1020

■ 45.3159, 75.3424,
62.2407

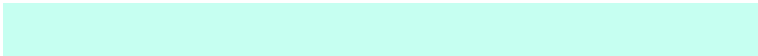
Harmonies

Analogous

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



76.4817, 89.8766, 82.0242



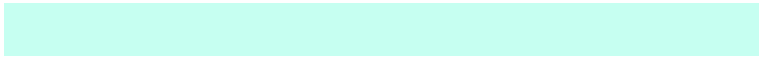
74.9259, 89.8766, 96.6180



76.0778, 89.8766, 113.2157

Triad

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



74.9259, 89.8766, 96.6180



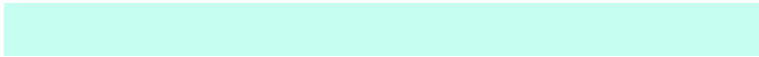
90.6307, 89.8766, 128.3882



91.4178, 89.8766, 73.6285

Complementary

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



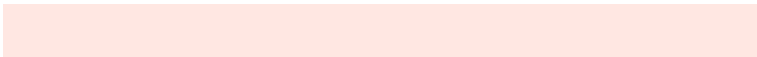
74.9259, 89.8766, 96.6180



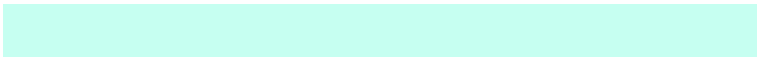
73.3184, 66.4029, 71.2406

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.



95.5081, 89.8766, 83.9603



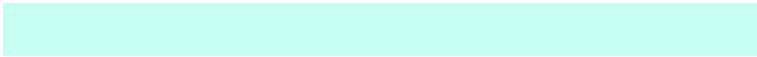
74.9259, 89.8766, 96.6180



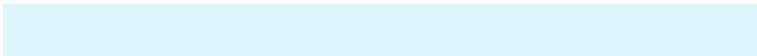
95.0396, 89.8766, 115.6139

Square

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



74.9259, 89.8766, 96.6180



84.9901, 89.8766, 132.7289



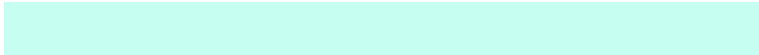
96.8618, 89.8766, 99.1133



85.8614, 89.8766, 69.7052

Rectangle

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



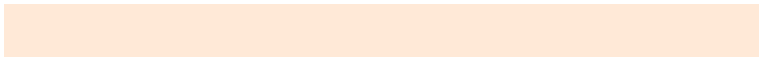
74.9259, 89.8766, 96.6180



78.2560, 89.8766, 122.9954



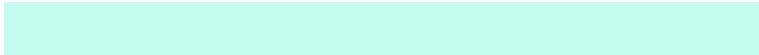
96.8618, 89.8766, 99.1133



93.0190, 89.8766, 76.4065

Sweetspot

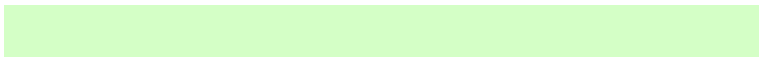
The Sweet Spot groups the original color and five complimentary colors.



74.9269, 89.8771, 96.6195



88.0873, 96.4912, 104.9318



73.1774, 89.6319, 66.8715



18.7320, 20.5915, 22.3876



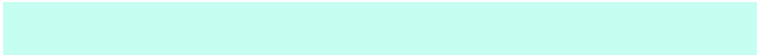
0.0000, 0.0000, 0.0000



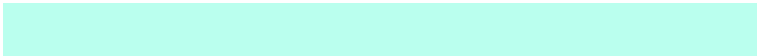
20.3446, 21.4041, 23.3091

Same Dimension

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



74.9269, 89.8771, 96.6195



71.4921, 88.1563, 94.2068



72.7209, 81.9892, 106.6004



18.3530, 20.4007, 22.1617



23.7409, 39.3929, 32.8504



2.3548, 3.8528, 3.4260

Inverse Universe

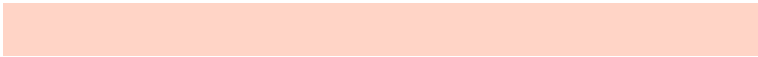
The Inverse Universe completely reimagines the original color for something new.



73.3184, 66.4029, 71.2406



69.6171, 60.7557, 64.5946



75.0399, 72.5504, 63.4763



18.1923, 18.0602, 19.6297



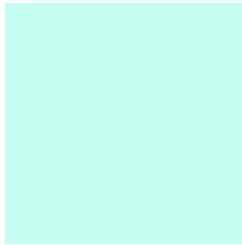
22.0613, 11.3138, 3.7071



2.1891, 1.1180, 0.5773

Previews

White Background



This preview shows how the XYZ color 74.9259, 89.8766, 96.6180 looks on a white background.

Color Contrast Check

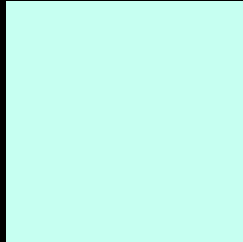
Large Text (above 18pt) WCAG AA × Fail

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 74.9259, 89.8766, 96.6180 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

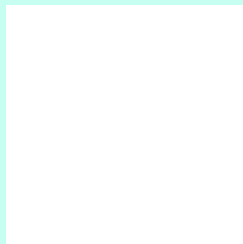
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.9259, 89.8766, 96.6180

Background



This preview shows how black text looks on a background with the XYZ color 74.9259, 89.8766, 96.6180.



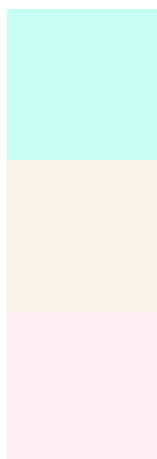
This preview shows how white text looks on a background with the XYZ color 74.9259, 89.8766,

96.6180.

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

74.9259, 89.8766, 96.6180

Protanopia

85.5270, 89.5272, 89.8635

Deuteranopia

88.4356, 89.5247, 98.2069



Tritanopia

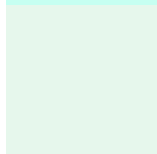
82.6843, 89.4624, 107.5178

Trichromacy



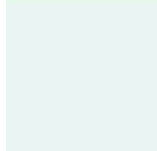
Original Color

74.9259, 89.8766, 96.6180



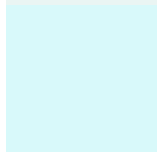
Protanomaly

81.0342, 89.4007, 92.3420



Deuteranomaly

82.7618, 89.2683, 97.6625



Tritanomaly

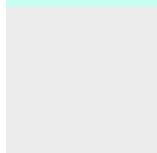
79.4499, 89.2524, 103.4825

Monochromacy



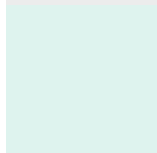
Original Color

74.9259, 89.8766, 96.6180



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.6074, 85.8038, 93.3604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9259, 89.8766, 96.6180 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(198, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 74.9259, 89.8766, 96.6180 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(198, 255, 241) }
```


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

```
.border{ border-color:rgb(198, 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(198, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9259, 89.8766, 96.6180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 241) }
```

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

```
.background{ background-color: rgb(198,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor