

Converting Colors

XYZ(76.0452, 90.0078, 96.8426)

Have a look what the booklet for
XYZ(76.0452, 90.0078, 96.8426)
contains.

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Color

**XYZ(75.9476, 89.9310,
96.5746)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFEF1
RGB	203, 254, 241
RGB Percent	80%, 100%, 95%
CMY	0.2039, 0.0039, 0.0549
CMYK	0.20, 0.00, 0.05, 0.00
HSL	165°, 96%, 90%
HSV	165°, 20%, 100%
XYZ	75.9476, 89.9310, 96.5746
YIQ	237.2690, -26.2230, -14.8550

Conversions

Conversions Part 2

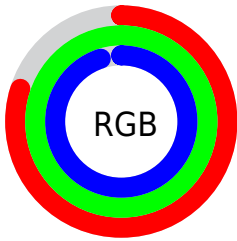
Format	Color
R_{YB}	203, 232, 254
Decimal	13369073
CIE _{Lab}	95.97, -18.65, 0.89
CIE _{LCh}	96, 18.667, 177.273
Yxy	89.9310, 0.2894, 0.3427
Android (android.graphics.Color)	4291559153 (0xFFCBBFEF1)
YUV	237.2690, 1.8394, -30.0539
Hunter-Lab	94.8320, -23.0015, 6.0028

Details

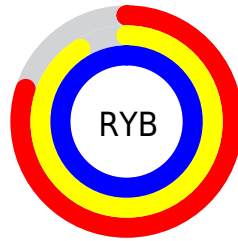
The XYZ color **75.9476, 89.9310, 96.5746** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6269, 68.7430, 74.3051**, and the grayscale version is **80.7063, 84.9093, 92.4662**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9360, 49.7312, 53.3405** is the 20% darker color. If you saturate the color by 10%, you get **68.6393, 86.2756, 91.2737**, and if you desaturate by 10%, it is **84.4287, 94.1918, 102.1137**.

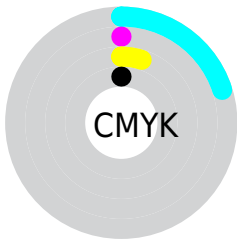
Distribution



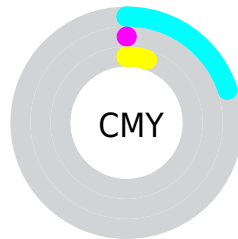
- Red (80%)
- Green (100%)
- Blue (95%)



- Red (80%)
- Yellow (91%)
- 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 75.9476, 89.9310, 96.5746 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 75.9476, 89.9310, 96.5746 by changing the saturation by 10% instead.

 75.9476, 89.9310,
96.5746

 75.9476, 89.9310,
96.5746


470.1155,
527.8064, 570.3063

 56.6864, 67.9234,
72.8421


126.6336,
147.2425, 158.4524

 40.9927, 49.8354,
53.3558

158.7891,
183.3153, 197.4348

 28.5010, 35.2827,
37.6972


195.9735,
224.8452, 242.3376

 18.8461, 23.8807,
25.4478

238.5521,
272.2167, 293.5794

 11.6624, 15.2451,
16.1889

286.8902,
325.8142, 351.5785

 6.5848, 8.9916,
9.5021

341.3532,

 3.2478, 4.7357,

386.0220, 416.7537

4.9689

402.3065,
453.2246, 489.5235

■ 1.2861, 2.0930,
2.1706

■ 0.1728, 0.6607,
0.6573

■ 75.9476, 89.9310,
96.5746

■ 75.9476, 89.9310,
96.5746

■ 68.6393, 86.2756,
91.2737

■ 84.4287, 94.1918,
102.1137

■ 62.4406, 83.1859,
86.2006

■ 94.1266, 99.0734,
107.8892

■ 57.2940, 80.6347,
81.3525

■ 94.7334, 99.3669,
108.7945

■ 53.1335, 78.5881,
76.7245

■ 49.8858, 77.0081,
72.3113

■ 47.4665, 75.8515,
68.1068

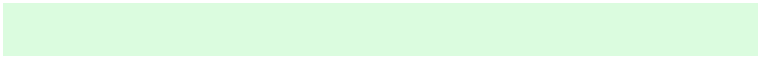
■ 45.7755, 75.0666,
64.1045

■ 44.6554, 74.5717,
60.3241

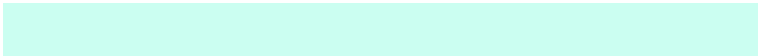
Harmonies

Analogous

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



77.4015, 89.9310, 83.3518



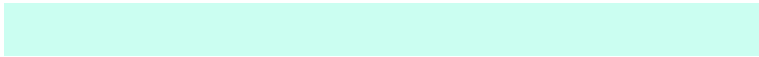
75.9476, 89.9310, 96.5746



76.9608, 89.9310, 111.5210

Triad

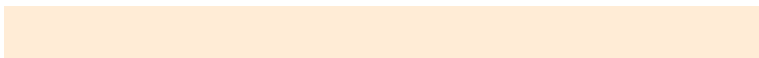
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9476, 89.9310, 96.5746



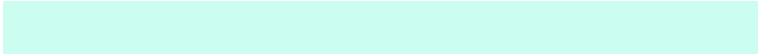
90.1026, 89.9310, 125.3987



90.9517, 89.9310, 75.9148

Complementary

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



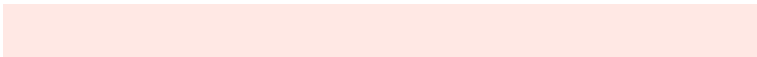
75.9476, 89.9310, 96.5746



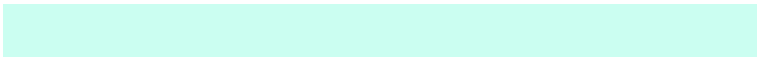
74.6269, 68.7430, 74.3051

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.



94.5988, 89.9310, 85.4716



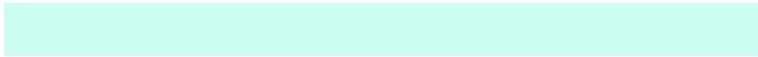
75.9476, 89.9310, 96.5746



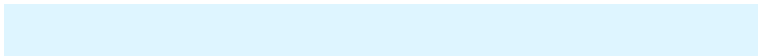
94.0949, 89.9310, 114.0928

Square

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



75.9476, 89.9310, 96.5746



85.0058, 89.9310, 129.1209



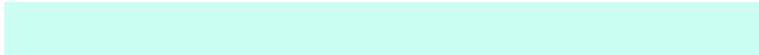
95.7713, 89.9310, 99.2770



85.9494, 89.9310, 72.1990

Rectangle

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



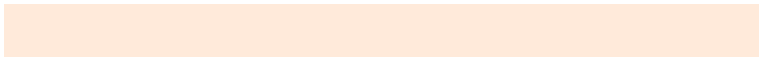
75.9476, 89.9310, 96.5746



78.9223, 89.9310, 120.3031



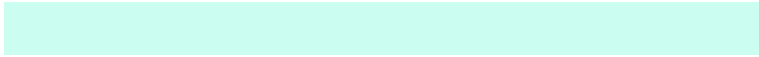
95.7713, 89.9310, 99.2770



92.3843, 89.9310, 78.5004

Sweetspot

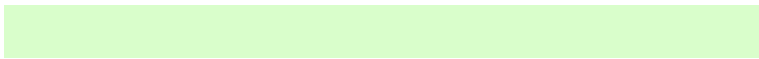
The Sweet Spot groups the original color and five complimentary colors.



75.9502, 89.9347, 96.5766



89.0216, 96.9641, 105.3728



74.7207, 89.8898, 69.9137



18.9197, 20.6866, 22.4731



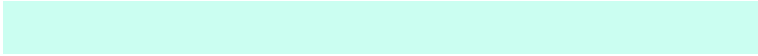
0.0000, 0.0000, 0.0000



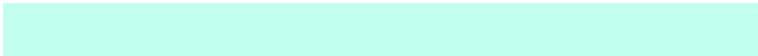
20.3446, 21.4041, 23.3091

Same Dimension

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



75.9502, 89.9347, 96.5766



73.5955, 89.2184, 95.3110



74.3027, 83.4194, 105.9557



18.3454, 20.3977, 22.1218



23.6047, 39.3385, 32.1335



2.3425, 3.8479, 3.3614

Inverse Universe

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



74.6269, 68.7430, 74.3051



72.0459, 64.3781, 69.2126



75.9305, 73.9352, 66.7704



18.1994, 18.0631, 19.6671



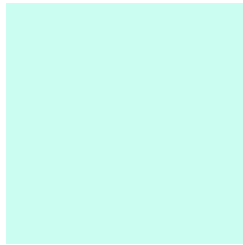
22.0981, 11.3285, 3.9012



2.1936, 1.1198, 0.6007

Previews

White Background



This preview shows how the XYZ color 75.9476, 89.9310, 96.5746 looks on a white background.

Color Contrast Check

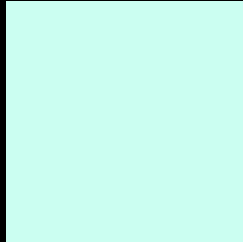
Large Text (above 18pt) WCAG AA × Fail

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 75.9476, 89.9310, 96.5746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

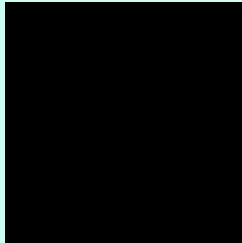
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

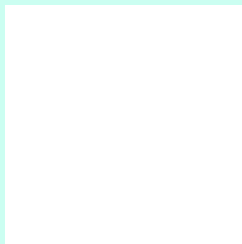
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.9476, 89.9310, 96.5746

Background



This preview shows how black text looks on a background with the XYZ color 75.9476, 89.9310, 96.5746.



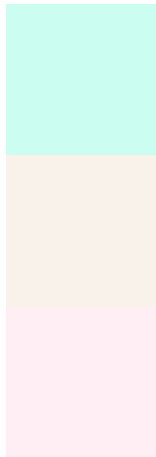
This preview shows how white text looks on a background with the XYZ color 75.9476, 89.9310,

96.5746.

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

75.9476, 89.9310, 96.5746

Protanopia

85.6703, 89.5845, 90.6181

Deuteranopia

88.4356, 89.5247, 98.2069



Tritanopia

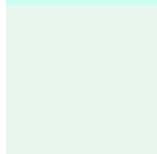
83.3189, 89.7895, 107.5475

Trichromacy



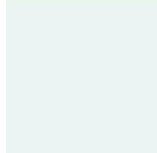
Original Color

75.9476, 89.9310, 96.5746



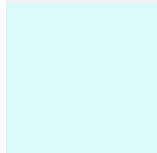
Protanomaly

81.5205, 89.1818, 93.0380



Deuteranomaly

83.1204, 89.0053, 97.5928



Tritanomaly

80.6462, 89.8691, 103.5384

Monochromacy



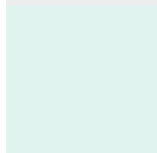
Original Color

75.9476, 89.9310, 96.5746



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.5345, 86.2818, 93.4038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9476, 89.9310, 96.5746 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, 254, 241)` looks like.

```
.text, #text, p{  
    color:rgb(203, 254, 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(203, 254, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 254, 241) }
```

Border

The CSS property to change the border of an element to XYZ 75.9476, 89.9310, 96.5746 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, 254, 241) }
```


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

```
.border{ border-color:rgb(203, 254, 241) }
```

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

Here you see how a box with a 4 pixel rgb(203, 254, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 254, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 254, 241);  
box-shadow:4px 4px 4px 4px rgb(203, 254,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9476, 89.9310, 96.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 254, 241) }
```

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

```
.background{ background-color: rgb(203,  
254, 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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