

Converting Colors

XYZ(50.9811, 64.0658, 76.0955)

Have a look what the booklet for
XYZ(50.9811, 64.0658, 76.0955)
contains.

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Color

**XYZ(50.8966, 63.9483,
75.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	92DFDA
RGB	146, 223, 218
RGB Percent	57%, 87%, 85%
CMY	0.4274, 0.1255, 0.1451
CMYK	0.35, 0.00, 0.02, 0.13
HSL	176°, 55%, 72%
HSV	176°, 35%, 87%
XYZ	50.8966, 63.9483, 75.9904
YIQ	199.4070, -44.2870, -17.8790

Conversions

Conversions Part 2

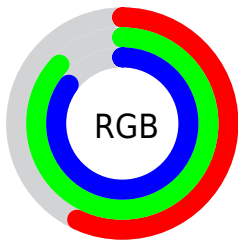
Format	Color
RYB	146, 186, 223
Decimal	9625562
CIELab	83.94, -24.75, -5.10
CIELCh	84, 25.264, 191.635
Yxy	63.9483, 0.2667, 0.3351
Android (android.graphics.Color)	4287815642 (0xFF92DFDA)
YUV	199.4070, 9.1663, -46.8379
Hunter-Lab	79.9677, -26.3345, -0.3638

Details

The XYZ color **50.8966, 63.9483, 75.9904** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.2984, 38.4819, 34.2681**, and the grayscale version is **54.5019, 57.3402, 62.4435**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **24.9279, 32.8738, 39.6818** is the 20% darker color. If you saturate the color by 10%, you get **47.1243, 62.0270, 74.8298**, and if you desaturate by 10%, it is **55.4475, 66.2739, 77.1989**.

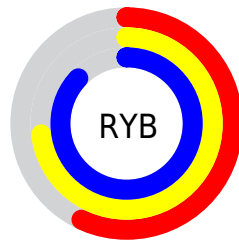
Distribution



Red (57%)

Green (87%)

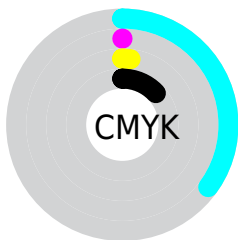
Blue (85%)



Red (57%)

Yellow (73%)

Blue (87%)

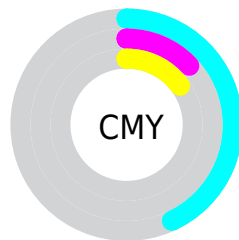


Cyan (35%)

Magenta (0%)

Yellow (2%)

Black (13%)



Cyan (43%)

Magenta (13%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8966, 63.9483, 75.9904 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 50.8966, 63.9483, 75.9904 by changing the saturation by 10% instead.


 50.8966, 63.9483,
75.9904


 50.8966, 63.9483,
75.9904


380.5562,
439.0029, 500.6608

 36.3470, 46.6088,
55.9180


 90.6858, 110.5365,
129.4733

 24.8737, 32.7265,
39.7337


 116.6562,
140.5539, 163.7209

 16.1112, 21.9170,
27.0187


147.1642,
175.5662, 203.5307

 9.6942, 13.7959,
17.3547

182.5752,
215.9576, 249.3211

 5.2574, 7.9789,
10.3231

223.2545,
262.1126, 301.5108

 2.4354, 4.0814,
5.5053

269.5676,

 0.8628, 1.7192,

314.4155, 360.5183

2.4828

321.8797,
373.2509, 426.7621

■ 0.0000, 0.4361,
0.8310

■ 0.0000, 0.0000,
0.0000

■ 50.8966, 63.9483,
75.9904

■ 50.8966, 63.9483,
75.9904

■ 47.1243, 62.0270,
74.8298

■ 55.4475, 66.2739,
77.1989

■ 44.0799, 60.4792,
73.7105

■ 60.8128, 69.0177,
78.4528

■ 41.7153, 59.2816,
72.6316

■ 67.0331, 72.2020,
79.7554

■ 39.9745, 58.4055,
71.5905

■ 74.1443, 75.8454,
81.1084

■ 38.7926, 57.8172,
70.5841

■ 81.2529, 79.4872,
82.4700

■ 38.0901, 57.4759,
69.6087

■ 81.4517, 79.5667,
83.5170

■ 37.8376, 57.3571,
69.0848

■ 81.6522, 79.6469,
84.5728

■ 81.8544, 79.7278,
85.6376

■ 82.0583, 79.8094,
86.7112

Harmonies

Analogous

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



51.1858, 63.9483, 60.4181



50.8966, 63.9483, 75.9904



53.1334, 63.9483, 92.0241

Triad

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



50.8966, 63.9483, 75.9904



68.1666, 63.9483, 95.1196



64.2129, 63.9483, 44.4184

Complementary

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



50.8966, 63.9483, 75.9904



46.2984, 38.4819, 34.2681

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.



69.1292, 63.9483, 51.1981



50.8966, 63.9483, 75.9904



71.5060, 63.9483, 79.7310

Square

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



50.8966, 63.9483, 75.9904



62.9634, 63.9483, 104.1413



71.8687, 63.9483, 63.6326



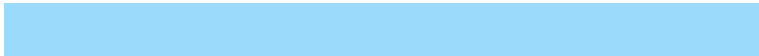
58.6495, 63.9483, 43.7324

Rectangle

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



50.8966, 63.9483, 75.9904



55.8406, 63.9483, 100.2061



71.8687, 63.9483, 63.6326



66.0045, 63.9483, 46.0059

Sweetspot

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



50.8985, 63.9509, 75.9919



86.0173, 95.3741, 107.0910



44.3651, 61.4453, 36.7172



18.1603, 20.2856, 22.8686



0.0000, 0.0000, 0.0000



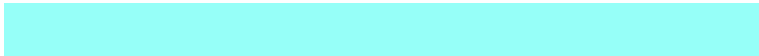
20.3446, 21.4041, 23.3091

Same Dimension

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



50.8985, 63.9509, 75.9919



65.3962, 84.8370, 101.9044



43.5094, 48.1090, 76.8077



14.0761, 15.5562, 17.4360



22.2634, 33.7302, 40.7054



1.5549, 2.3427, 2.8835

Inverse Universe

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



46.2984, 38.4819, 34.2681



58.3248, 45.6592, 37.7459



51.8156, 50.1528, 34.1448



13.7432, 13.7149, 14.4177



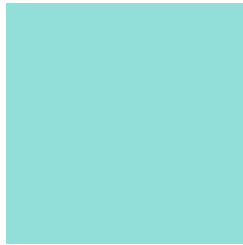
17.9561, 9.2495, 1.1688



1.2575, 0.6463, 0.1489

Previews

White Background



This preview shows how the XYZ color 50.8966, 63.9483, 75.9904 looks on a white background.

Color Contrast Check

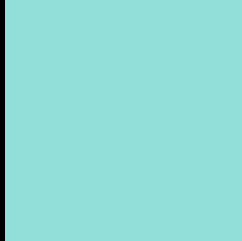
Large Text (above 18pt) WCAG AA × Fail

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 50.8966, 63.9483, 75.9904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

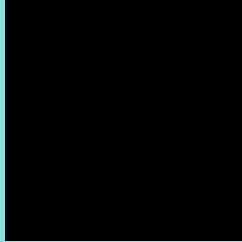
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

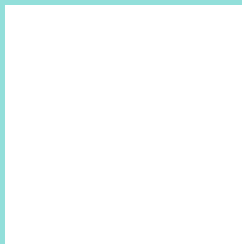
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8966, 63.9483, 75.9904

Background



This preview shows how black text looks on a background with the XYZ color 50.8966, 63.9483, 75.9904.



This preview shows how white text looks on a background with the XYZ color 50.8966, 63.9483,

75.9904.

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

50.8966, 63.9483, 75.9904

Protanopia

60.9728, 63.2261, 69.3119

Deuteranopia

64.4295, 63.0446, 77.8803



Tritanopia

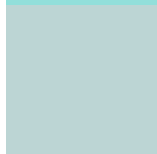
53.7883, 63.9388, 90.3954

Trichromacy



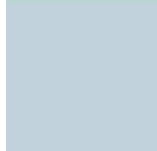
Original Color

50.8966, 63.9483, 75.9904



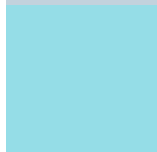
Protanomaly

56.4170, 63.0333, 71.4805



Deuteranomaly

58.3459, 62.7830, 77.4498



Tritanomaly

52.6747, 63.8720, 85.1536

Monochromacy



Original Color

50.8966, 63.9483, 75.9904



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

52.5188, 59.2713, 67.0650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8966, 63.9483, 75.9904 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(146, 223, 218)` looks like.

```
.text, #text, p{  
    color:rgb(146, 223, 218)  
}
```

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(146, 223, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 223, 218) }
```

Border

The CSS property to change the border of an element to XYZ 50.8966, 63.9483, 75.9904 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(146, 223, 218) }
```


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

```
.border{ border-color:rgb(146, 223, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 223, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 223, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 223, 218);  
box-shadow:4px 4px 4px 4px rgb(146, 223,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8966, 63.9483, 75.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 223, 218) }
```

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

```
.background{ background-color: rgb(146,  
223, 218) }
```

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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