

Converting Colors

XYZ(41.8706, 51.0192, 66.3559)

Have a look what the booklet for
XYZ(41.8706, 51.0192, 66.3559)
contains.

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Color

**XYZ(41.9084, 50.9644,
66.6598)**

Conversions

Conversions Part 1

Format	Color
Hex	87C8CF
RGB	135, 200, 207
RGB Percent	53%, 78%, 81%
CMY	0.4706, 0.2157, 0.1882
CMYK	0.35, 0.03, 0.00, 0.19
HSL	186°, 43%, 67%
HSV	186°, 35%, 81%
XYZ	41.9084, 50.9644, 66.6598
YIQ	181.3630, -40.9870, -11.6030

Conversions

Conversions Part 2

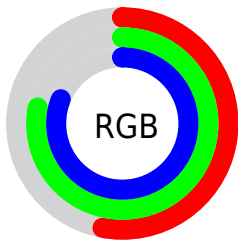
Format	Color
RYB	135, 169, 207
Decimal	8898767
CIELab	76.66, -18.82, -10.07
CIELCh	77, 21.348, 208.143
Yxy	50.9644, 0.2627, 0.3195
Android (android.graphics.Color)	4287088847 (0xFF87C8CF)
YUV	181.3630, 12.6390, -40.6604
Hunter-Lab	71.3894, -20.1447, -5.3895

Details

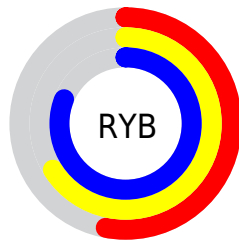
The XYZ color **41.9084, 50.9644, 66.6598** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7790, 34.3612, 27.4586**, and the grayscale version is **44.0682, 46.3632, 50.4895**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **19.4220, 24.6070, 33.8630** is the 20% darker color. If you saturate the color by 10%, you get **38.4337, 48.4872, 66.3657**, and if you desaturate by 10%, it is **46.0398, 53.7917, 66.9887**.

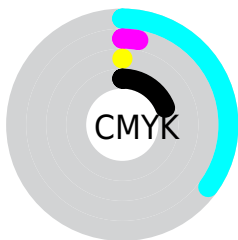
Distribution



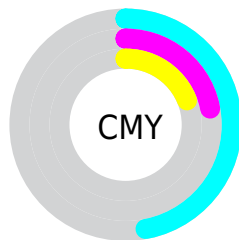
- Red (53%)
- Green (78%)
- Blue (81%)



- Red (53%)
- Yellow (66%)
- Blue (81%)



- Cyan (35%)
- Magenta (3%)
- Yellow (0%)
- Black (19%)



- Cyan (47%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9084, 50.9644, 66.6598 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 41.9084, 50.9644, 66.6598 by changing the saturation by 10% instead.

■ 41.9084, 50.9644,
66.6598

■ 41.9084, 50.9644,
66.6598

345.1012,
390.4255, 467.2013

■ 29.2204, 36.1803,
48.3483

■ 77.3270, 91.6021,
116.0688

■ 19.3927, 24.5735,
33.7409

■ 100.7883,
118.2246, 148.0035

■ 12.0601, 15.7596,
22.4189

■ 128.5714,
149.5619, 185.3163

■ 6.8571, 9.3542,
13.9637

161.0416,
185.9984, 228.4257

■ 3.4184, 4.9729,
7.9570

198.5644,
227.9187, 277.7505

■ 1.3787, 2.2314,
3.9801

241.5050,

■ 0.2410, 0.7370,

275.7070, 333.7089

1.6144

290.2288,
329.7478, 396.7197

■ 0.0000, 0.0000,
0.3011

■ 0.0000, 0.0000,
0.0000

■ 41.9084, 50.9644,
66.6598

■ 41.9084, 50.9644,
66.6598

■ 38.4337, 48.4872,
66.3657

■ 46.0398, 53.7917,
66.9887

■ 35.5735, 46.3345,
66.1009

■ 50.8579, 56.9810,
67.3503

■ 33.2876, 44.4870,
65.8648

■ 56.3965, 60.5509,
67.7474

■ 31.5292, 42.9204,
65.6551

■ 62.6858, 64.5170,
68.1815

■ 30.2443, 41.6069,
65.4692

■ 69.7541, 68.8939,
68.6538

■ 29.3668, 40.5123,
65.3042

■ 76.0649, 72.8896,
69.0924

■ 29.0080, 39.9957,
65.2234

■ 76.5713, 73.9023,
69.2612

■ 77.0839, 74.9275,
69.4321

■ 77.6028, 75.9654,
69.6050

Harmonies

Analogous

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



41.0838, 50.9644, 54.7736



41.9084, 50.9644, 66.6598



44.4548, 50.9644, 76.6128

Triad

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



41.9084, 50.9644, 66.6598



55.3419, 50.9644, 68.0811



48.6923, 50.9644, 36.0943

Complementary

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



41.9084, 50.9644, 66.6598



39.7790, 34.3612, 27.4586

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.



52.6568, 50.9644, 38.6597



41.9084, 50.9644, 66.6598



56.6261, 50.9644, 56.2158

Square

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



41.9084, 50.9644, 66.6598



52.1971, 50.9644, 77.5103



55.6176, 50.9644, 45.6461



44.8679, 50.9644, 38.0958

Rectangle

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



41.9084, 50.9644, 66.6598



46.8615, 50.9644, 80.2349



55.6176, 50.9644, 45.6461



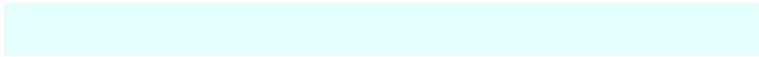
50.0538, 50.9644, 36.4430

Sweetspot

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



41.9099, 50.9664, 66.6610



85.4973, 93.9092, 108.2278



37.1133, 51.7006, 33.2236



18.0335, 19.9283, 23.1460



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.



41.9099, 50.9664, 66.6610



62.7733, 78.5639, 106.4636



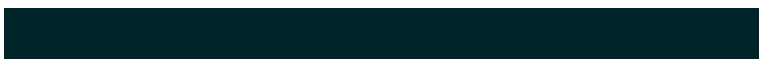
34.7104, 36.5673, 64.2611



12.0561, 13.2024, 15.1566



18.3147, 25.2761, 41.1060



1.0532, 1.4716, 2.3081

Inverse Universe

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



44.8227, 34.7647, 58.9936



68.2332, 48.9760, 91.9158



45.8285, 46.4601, 29.4751



12.2592, 11.9884, 14.6408



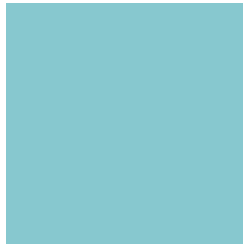
21.8752, 10.6229, 30.5784



1.2378, 0.5998, 1.7872

Previews

White Background



This preview shows how the XYZ color 41.9084, 50.9644, 66.6598 looks on a white background.

Color Contrast Check

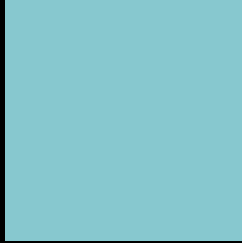
Large Text (above 18pt) WCAG AA × Fail

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 41.9084, 50.9644, 66.6598 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 41.9084, 50.9644, 66.6598

Background



This preview shows how black text looks on a background with the XYZ color 41.9084, 50.9644, 66.6598.



This preview shows how white text looks on a background with the XYZ color 41.9084, 50.9644,

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

41.9084, 50.9644, 66.6598

Protanopia

49.0654, 50.4830, 61.1910

Deuteranopia

51.3313, 50.2559, 67.9677



Tritanopia

43.0057, 51.0715, 71.8811

Trichromacy



Original Color

41.9084, 50.9644, 66.6598

Protanomaly

45.8725, 50.3986, 63.1873

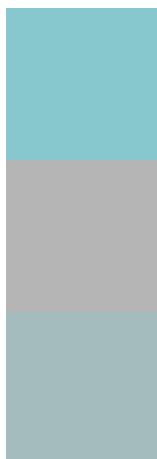
Deuteranomaly

47.1618, 49.9973, 67.4864

Tritanomaly

42.4604, 50.8346, 69.8615

Monochromacy



Original Color

41.9084, 50.9644, 66.6598

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.5873, 47.5767, 55.6538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9084, 50.9644, 66.6598 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(135, 200, 207)` looks like.

```
.text, #text, p{  
    color:rgb(135, 200, 207)  
}
```

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(135, 200, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 200, 207) }
```

Border

The CSS property to change the border of an element to XYZ 41.9084, 50.9644, 66.6598 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(135, 200, 207) }
```


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

```
.border{ border-color:rgb(135, 200, 207) }
```

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

Here you see how a box with a 4 pixel rgb(135, 200, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 200, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 200, 207);  
box-shadow:4px 4px 4px 4px rgb(135, 200,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9084, 50.9644, 66.6598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 200, 207) }
```

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

```
.background{ background-color: rgb(135,  
200, 207) }
```

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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