

Converting Colors

XYZ(41.8743, 50.2001, 67.7132)

Have a look what the booklet for
XYZ(41.8743, 50.2001, 67.7132)
contains.

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Color

**XYZ(41.8560, 50.2259,
67.8101)**

Conversions

Conversions Part 1

Format	Color
Hex	88C6D1
RGB	136, 198, 209
RGB Percent	53%, 78%, 82%
CMY	0.4667, 0.2235, 0.1804
CMYK	0.35, 0.05, 0.00, 0.18
HSL	189°, 44%, 68%
HSV	189°, 35%, 82%
XYZ	41.8560, 50.2259, 67.8101
YIQ	180.7160, -40.4830, -9.7230

Conversions

Conversions Part 2

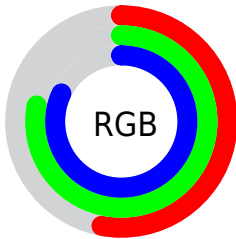
Format	Color
RYB	136, 170, 209
Decimal	8963793
CIELab	76.21, -17.04, -11.82
CIELCh	76, 20.740, 214.731
Yxy	50.2259, 0.2618, 0.3141
Android (android.graphics.Color)	4287153873 (0xFF88C6D1)
YUV	180.7160, 13.9440, -39.2159
Hunter-Lab	70.8702, -18.6007, -7.1207

Details

The XYZ color **41.8560, 50.2259, 67.8101** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.1727, 36.2006, 28.1109**, and the grayscale version is **43.7116, 45.9880, 50.0810**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **19.3693, 24.1069, 34.6426** is the 20% darker color. If you saturate the color by 10%, you get **38.0752, 47.2206, 67.4302**, and if you desaturate by 10%, it is **46.3167, 53.6063, 68.2283**.

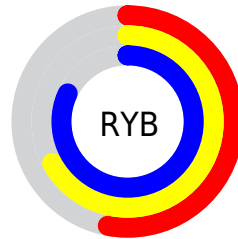
Distribution



Red (53%)

Green (78%)

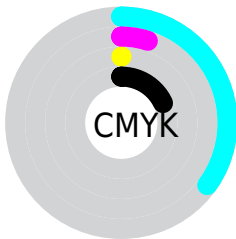
Blue (82%)



Red (53%)

Yellow (67%)

Blue (82%)

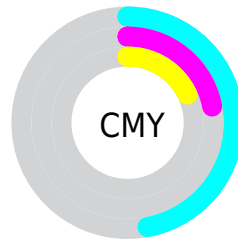


Cyan (35%)

Magenta (5%)

Yellow (0%)

Black (18%)



Cyan (47%)

Magenta (22%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8560, 50.2259, 67.8101 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 41.8560, 50.2259, 67.8101 by changing the saturation by 10% instead.

■ 41.8560, 50.2259,
67.8101

■ 41.8560, 50.2259,
67.8101

344.8874,
387.5487, 471.4027

■ 29.1792, 35.5929,
49.2775

■ 77.2482, 90.5095,
117.7321

■ 19.3614, 24.1200,
34.4725

■ 100.6942,
116.9289, 149.9586

■ 12.0372, 15.4226,
22.9766

■ 128.4607,
148.0459, 187.5868

■ 6.8414, 9.1165,
14.3711

160.9130,
184.2449, 231.0353

■ 3.4086, 4.8173,
8.2375

198.4165,
225.9103, 280.7226

■ 1.3733, 2.1405,
4.1573

241.3365,

■ 0.2371, 0.6872,

273.4264, 337.0672

1.7121

290.0384,
327.1778, 400.4877

■ 0.0000, 0.0000,
0.3690

■ 0.0000, 0.0000,
0.0000

■ 41.8560, 50.2259,
67.8101

■ 41.8560, 50.2259,
67.8101

■ 38.0752, 47.2206,
67.4302

■ 46.3167, 53.6063,
68.2283

■ 34.9309, 44.5644,
67.0832

■ 51.4882, 57.3742,
68.6831

■ 32.3820, 42.2370,
66.7683

■ 57.4052, 61.5490,
69.1770

■ 30.3804, 40.2136,
66.4832

■ 64.0987, 66.1466,
69.7116

■ 28.8704, 38.4654,
66.2254

■ 71.5977, 71.1822,
70.2884

■ 27.7841, 36.9570,
65.9915

■ 77.5348, 75.4355,
70.7964

■ 27.3328, 36.2515,
65.8791

■ 78.3537, 77.0733,
71.0694

■ 79.1881, 78.7422,
71.3475

■ 80.0382, 80.4423,
71.6309

Harmonies

Analogous

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



40.6710, 50.2259, 56.4718



41.8560, 50.2259, 67.8101



44.6186, 50.2259, 76.4158

Triad

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



41.8560, 50.2259, 67.8101



54.8204, 50.2259, 64.3419



47.1245, 50.2259, 36.0103

Complementary

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



41.8560, 50.2259, 67.8101



41.1727, 36.2006, 28.1109

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.



50.9999, 50.2259, 37.5260



41.8560, 50.2259, 67.8101



55.5801, 50.2259, 52.9411

Square

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



41.8560, 50.2259, 67.8101



52.1238, 50.2259, 74.2305



54.1472, 50.2259, 43.3774



43.6058, 50.2259, 38.9162

Rectangle

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



41.8560, 50.2259, 67.8101



47.0552, 50.2259, 78.8886



54.1472, 50.2259, 43.3774



48.4278, 50.2259, 36.0236

Sweetspot

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



41.8575, 50.2279, 67.8113



85.0695, 93.0537, 108.0853



38.2173, 52.9411, 35.7886



17.9293, 19.7199, 23.1113



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.



41.8575, 50.2279, 67.8113



61.0717, 75.1606, 105.8964



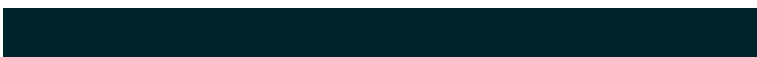
34.5041, 35.5211, 65.3601



12.0003, 13.0909, 15.1380



16.9101, 22.4668, 40.6378



0.9876, 1.3405, 2.2862

Inverse Universe

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



45.2929, 35.2420, 57.8436



67.3743, 48.6325, 87.3928



47.7658, 49.3868, 30.3086



12.2311, 11.9772, 14.4925



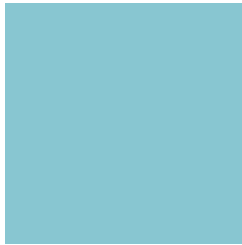
21.1662, 10.3393, 26.8449



1.2047, 0.5866, 1.6130

Previews

White Background



This preview shows how the XYZ color 41.8560, 50.2259, 67.8101 looks on a white background.

Color Contrast Check

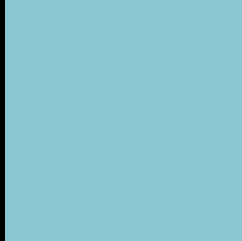
Large Text (above 18pt) WCAG AA × Fail

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 41.8560, 50.2259, 67.8101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

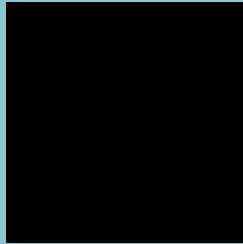
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8560, 50.2259, 67.8101

Background



This preview shows how black text looks on a background with the XYZ color 41.8560, 50.2259, 67.8101.



This preview shows how white text looks on a background with the XYZ color 41.8560, 50.2259,

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

41.8560, 50.2259, 67.8101

Protanopia

48.4693, 49.8212, 62.9390

Deuteranopia

50.8597, 49.6787, 69.1957



Tritanopia

42.2930, 50.0550, 70.3833

Trichromacy



Original Color

41.8560, 50.2259, 67.8101

Protanomaly

45.5813, 49.5595, 64.9212

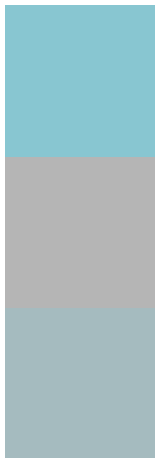
Deuteranomaly

46.9747, 49.5538, 68.7170

Tritanomaly

42.1664, 50.0043, 69.7167

Monochromacy



Original Color

41.8560, 50.2259, 67.8101

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.6913, 47.3016, 56.1703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8560, 50.2259, 67.8101 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(136, 198, 209)` looks like.

```
.text, #text, p{  
    color:rgb(136, 198, 209)  
}
```

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(136, 198, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 198, 209) }
```

Border

The CSS property to change the border of an element to XYZ 41.8560, 50.2259, 67.8101 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(136, 198, 209) }
```


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

```
.border{ border-color:rgb(136, 198, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 198, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 198, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 198, 209);  
box-shadow:4px 4px 4px 4px rgb(136, 198,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8560, 50.2259, 67.8101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 198, 209) }
```

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

```
.background{ background-color: rgb(136,  
198, 209) }
```

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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