

Converting Colors

XYZ(38.9104, 48.7215, 51.7402)

Have a look what the booklet for
XYZ(38.9104, 48.7215, 51.7402)
contains.

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Color

**XYZ(38.8910, 48.7132,
51.6088)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC5B6
RGB	138, 197, 182
RGB Percent	54%, 77%, 71%
CMY	0.4588, 0.2274, 0.2863
CMYK	0.30, 0.00, 0.08, 0.23
HSL	165°, 34%, 66%
HSV	165°, 30%, 77%
XYZ	38.8910, 48.7132, 51.6088
YIQ	177.6490, -30.3490, -17.1730

Conversions

Conversions Part 2

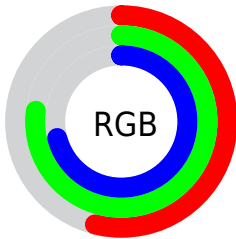
Format	Color
RYB	138, 172, 197
Decimal	9094582
CIELab	75.27, -22.22, 1.43
CIElCh	75, 22.263, 176.320
Yxy	48.7132, 0.2794, 0.3499
Android (android.graphics.Color)	4287284662 (0xFF8AC5B6)
YUV	177.6490, 2.1450, -34.7722
Hunter-Lab	69.7948, -22.6774, 5.0152

Details

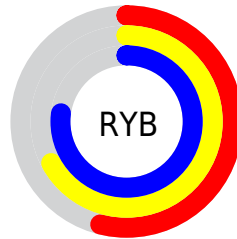
The XYZ color **38.8910, 48.7132, 51.6088** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8659, 32.3485, 34.3871**, and the grayscale version is **42.1331, 44.3273, 48.2725**.

A 20% lighter version of the original color is **72.8667, 88.3941, 94.1102**, and **17.6227, 23.2083, 24.3197** is the 20% darker color. If you saturate the color by 10%, you get **35.4144, 46.9810, 48.7926**, and if you desaturate by 10%, it is **42.9800, 50.7616, 54.5524**.

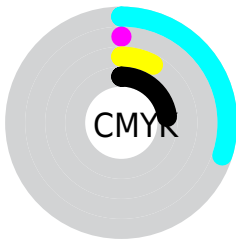
Distribution



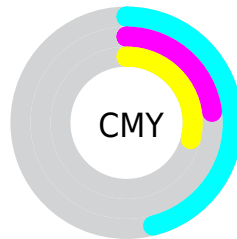
- Red (54%)
- Green (77%)
- Blue (71%)



- Red (54%)
- Yellow (67%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (8%)
- Black (23%)





- Cyan (46%)
- Magenta (23%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8910, 48.7132, 51.6088 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 38.8910, 48.7132, 51.6088 by changing the saturation by 10% instead.

 38.8910, 48.7132,
51.6088


 38.8910, 48.7132,
51.6088


332.6420,
381.6122, 409.8384


 26.8553, 34.3920,
36.3133

 72.7669, 88.2653,
93.9747

 17.6006, 23.1949,
24.3846


 95.3378, 114.2651,
121.8822

 10.7616, 14.7375,
15.4043


 122.1512,
144.9265, 154.8308

 5.9728, 8.6354,
8.9539

153.5723,
180.6340, 193.2389

 2.8691, 4.5041,
4.6147

189.9666,
221.7719, 237.5252

 1.0849, 1.9594,
1.9683

231.6994,

 0.0124, 0.5837,

268.7246, 288.1082

0.5357

279.1361,
321.8766, 345.4064

■ 0.0000, 0.0000,
0.0000

■ 38.8910, 48.7132,
51.6088

■ 38.8910, 48.7132,
51.6088

■ 35.4144, 46.9810,
48.7926

■ 42.9800, 50.7616,
54.5524

■ 32.5140, 45.5424,
46.0981

■ 47.7072, 53.1354,
57.6225

■ 30.1560, 44.3813,
43.5236

■ 53.1016, 55.8511,
60.8224

■ 28.3011, 43.4776,
41.0663

■ 59.1893, 58.9220,
64.1544

■ 26.9049, 42.8082,
38.7231

■ 65.9951, 62.3609,
67.6205

■ 25.9147, 42.3461,
36.4904

■ 73.0980, 65.9506,
71.2020

■ 25.2299, 42.0395,
34.3625

■ 73.7401, 66.2075,
74.5835

■ 25.2267, 42.0381,
34.3520

■ 74.4020, 66.4722,
78.0692

■ 75.0839, 66.7450,
81.6599

Harmonies

Analogous

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



40.0627, 48.7132, 41.5106



38.8910, 48.7132, 51.6088



39.6064, 48.7132, 63.6609

Triad

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



38.8910, 48.7132, 51.6088



49.8738, 48.7132, 75.8846



50.7975, 48.7132, 36.4264

Complementary

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



38.8910, 48.7132, 51.6088



37.8659, 32.3485, 34.3871

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.



53.7092, 48.7132, 43.6721



38.8910, 48.7132, 51.6088



53.1542, 48.7132, 66.5289

Square

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



38.8910, 48.7132, 51.6088



45.7978, 48.7132, 78.8261



54.5958, 48.7132, 54.4982



46.8067, 48.7132, 33.5979

Rectangle

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



38.8910, 48.7132, 51.6088



41.0813, 48.7132, 71.0434



54.5958, 48.7132, 54.4982



51.9438, 48.7132, 38.3689

Sweetspot

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



38.8924, 48.7152, 51.6099



86.1795, 95.5340, 103.6549



37.8310, 48.6134, 31.4350



18.1593, 20.3041, 22.0088



0.0000, 0.0000, 0.0000



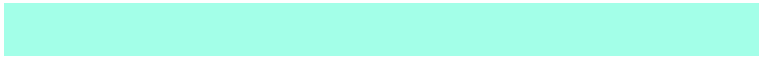
20.3446, 21.4041, 23.3091

Same Dimension

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



38.8924, 48.7152, 51.6099



65.4222, 85.1344, 89.0739



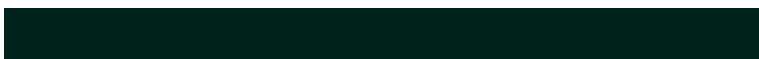
37.5425, 43.3996, 59.2239



10.8270, 12.0197, 13.0394



16.6272, 27.6633, 22.7792



0.8153, 1.3211, 1.2262

Inverse Universe

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



37.8659, 32.3485, 34.3871



63.2934, 51.0937, 53.2832



38.8054, 36.0875, 28.9659



10.7427, 10.6805, 11.6283



15.5542, 7.9712, 2.8624



0.7669, 0.3896, 0.2954

Previews

White Background



This preview shows how the XYZ color 38.8910, 48.7132, 51.6088 looks on a white background.

Color Contrast Check

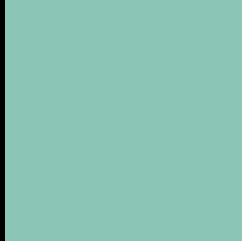
Large Text (above 18pt) WCAG AA × Fail

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 38.8910, 48.7132, 51.6088 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 38.8910, 48.7132, 51.6088

Background



This preview shows how black text looks on a background with the XYZ color 38.8910, 48.7132, 51.6088.



This preview shows how white text looks on a background with the XYZ color 38.8910, 48.7132,

51.6088.

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

38.8910, 48.7132, 51.6088

Protanopia

46.1136, 48.3233, 47.4543

Deuteranopia

49.3401, 48.3419, 53.1848



Tritanopia

42.0802, 48.6727, 67.4985

Trichromacy



Original Color

38.8910, 48.7132, 51.6088

Protanomaly

43.0281, 48.2675, 49.1682

Deuteranomaly

44.9063, 48.2043, 52.8365

Tritanomaly

40.7559, 48.4579, 61.2381

Monochromacy



Original Color

38.8910, 48.7132, 51.6088

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.5899, 45.7391, 49.3370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8910, 48.7132, 51.6088 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(138, 197, 182)` looks like.

```
.text, #text, p{  
    color:rgb(138, 197, 182)  
}
```

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(138, 197, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 197, 182) }
```

Border

The CSS property to change the border of an element to XYZ 38.8910, 48.7132, 51.6088 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(138, 197, 182) }
```


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

```
.border{ border-color:rgb(138, 197, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 197, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 197, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 197, 182);  
box-shadow:4px 4px 4px 4px rgb(138, 197,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8910, 48.7132, 51.6088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 197, 182) }
```

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

```
.background{ background-color: rgb(138,  
197, 182) }
```

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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