

Converting Colors

XYZ(38.7558, 48.4129, 52.1013)

Have a look what the booklet for
XYZ(38.7558, 48.4129, 52.1013)
contains.

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Color

**XYZ(38.6037, 48.2171,
52.0720)**

Conversions

Conversions Part 1

Format	Color
Hex	89C4B7
RGB	137, 196, 183
RGB Percent	54%, 77%, 72%
CMY	0.4627, 0.2314, 0.2823
CMYK	0.30, 0.00, 0.07, 0.23
HSL	167°, 33%, 65%
HSV	167°, 30%, 77%
XYZ	38.6037, 48.2171, 52.0720
YIQ	176.8770, -30.9910, -16.5510

Conversions

Conversions Part 2

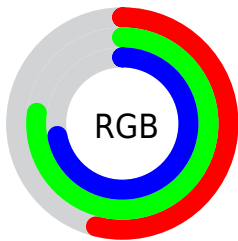
Format	Color
RYB	137, 170, 196
Decimal	9028791
CIELab	74.96, -21.79, 0.43
CIElCh	75, 21.798, 178.876
Yxy	48.2171, 0.2779, 0.3472
Android (android.graphics.Color)	4287218871 (0xFF89C4B7)
YUV	176.8770, 3.0186, -34.9721
Hunter-Lab	69.4385, -22.2820, 4.1454

Details

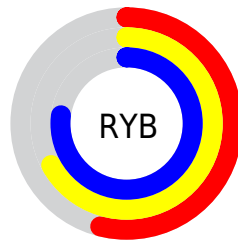
The XYZ color **38.6037, 48.2171, 52.0720** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2173, 31.8304, 33.0384**, and the grayscale version is **41.7228, 43.8956, 47.8023**.

A 20% lighter version of the original color is **72.4435, 87.6890, 94.7689**, and **17.4486, 22.8890, 24.6175** is the 20% darker color. If you saturate the color by 10%, you get **35.2356, 46.5332, 49.6042**, and if you desaturate by 10%, it is **42.5720, 50.2114, 54.6420**.

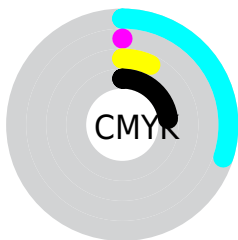
Distribution



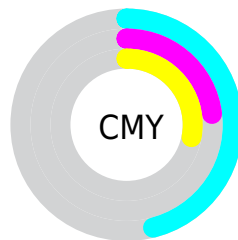
- Red (54%)
- Green (77%)
- Blue (72%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)



- Cyan (46%)
- Magenta (23%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6037, 48.2171, 52.0720 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 38.6037, 48.2171, 52.0720 by changing the saturation by 10% instead.

■ 38.6037, 48.2171,
52.0720

■ 38.6037, 48.2171,
52.0720

331.4389,
379.6520, 411.6794

■ 26.6309, 33.9988,
36.6798

■ 72.3305, 87.5276,
94.6651

■ 17.4314, 22.8927,
24.6659

■ 94.8152, 113.3885,
122.7031

■ 10.6397, 14.5143,
15.6115

■ 121.5345,
143.8992, 155.7934

■ 5.8906, 8.4792,
9.0983

152.8539,
179.4440, 194.3547

■ 2.8187, 4.4031,
4.7077

189.1387,
220.4073, 238.8053

■ 1.0586, 1.9015,
2.0211

230.7542,

■ 0.0000, 0.5493,

267.1735, 289.5640

0.5682

278.0658,
320.1269, 347.0491

■ 0.0000, 0.0000,
0.0000

■ 38.6037, 48.2171,
52.0720

■ 38.6037, 48.2171,
52.0720

■ 35.2356, 46.5332,
49.6042

■ 42.5720, 50.2114,
54.6420

■ 32.4318, 45.1374,
47.2332

■ 47.1658, 52.5252,
57.3129

■ 30.1590, 44.0137,
44.9577


■ 52.4138, 55.1746,
60.0877


■ 28.3785, 43.1423,
42.7755


■ 58.3418, 58.1730,
62.9682


■ 27.0463, 42.5004,
40.6836

■ 64.9741, 61.5328,
65.9562


 26.1103, 42.0613,
38.6790

 72.3338, 65.2660,
69.0533

 25.4749, 41.7752,
36.7757

 73.0211, 65.5577,
71.9139

 73.5777, 65.7803,
74.8446

 74.1489, 66.0088,
77.8528

Harmonies

Analogous

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



39.5921, 48.2171, 41.9786



38.6037, 48.2171, 52.0720



39.4562, 48.2171, 63.7970

Triad

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



38.6037, 48.2171, 52.0720



49.6201, 48.2171, 74.0968



49.8944, 48.2171, 35.9019

Complementary

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



38.6037, 48.2171, 52.0720



37.2173, 31.8304, 33.0384

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.



52.8533, 48.2171, 42.6225



38.6037, 48.2171, 52.0720



52.6886, 48.2171, 64.6477

Square

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



38.6037, 48.2171, 52.0720



45.6791, 48.2171, 77.5689



53.9037, 48.2171, 52.9308



45.9790, 48.2171, 33.5143

Rectangle

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



38.6037, 48.2171, 52.0720



40.9834, 48.2171, 70.7769



53.9037, 48.2171, 52.9308



51.0421, 48.2171, 37.6764

Sweetspot

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



38.6051, 48.2191, 52.0731



86.3012, 95.5827, 104.2960



36.9760, 47.8450, 30.9539



18.1895, 20.3161, 22.1675



0.0000, 0.0000, 0.0000



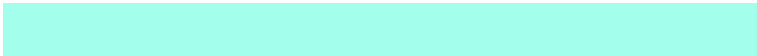
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6051, 48.2191, 52.0731



65.8674, 85.3125, 91.4185



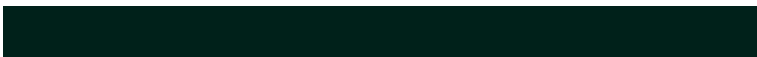
36.6570, 42.0559, 58.4124



10.2704, 11.3892, 12.4275



16.4013, 26.8546, 23.8040



0.7328, 1.1699, 1.1554

Inverse Universe

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



37.2173, 31.8304, 33.0384



62.9648, 50.9623, 51.5529



38.6295, 36.2386, 28.6265



10.1621, 10.1134, 10.9439



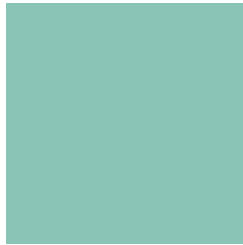
14.9369, 7.6645, 2.3138



0.6720, 0.3418, 0.2403

Previews

White Background



This preview shows how the XYZ color 38.6037, 48.2171, 52.0720 looks on a white background.

Color Contrast Check

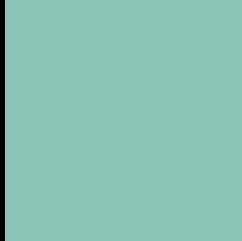
Large Text (above 18pt) WCAG AA × Fail

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 38.6037, 48.2171, 52.0720 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

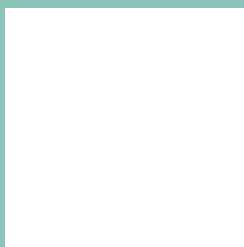
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6037, 48.2171, 52.0720

Background



This preview shows how black text looks on a background with the XYZ color 38.6037, 48.2171, 52.0720.



This preview shows how white text looks on a background with the XYZ color 38.6037, 48.2171,

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

38.6037, 48.2171, 52.0720

Protanopia

45.7562, 47.8204, 47.8929

Deuteranopia

48.7095, 47.7080, 53.6550



Tritanopia

41.3901, 48.0041, 66.7587

Trichromacy



Original Color

38.6037, 48.2171, 52.0720

Protanomaly

42.6975, 47.7672, 49.6174

Deuteranomaly

44.3434, 47.5902, 53.3031

Tritanomaly

40.1940, 47.8389, 61.1482

Monochromacy



Original Color

38.6037, 48.2171, 52.0720

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.1775, 45.2170, 49.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6037, 48.2171, 52.0720 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(137, 196, 183)` looks like.

```
.text, #text, p{  
    color:rgb(137, 196, 183)  
}
```

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(137, 196, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 196, 183) }
```

Border

The CSS property to change the border of an element to XYZ 38.6037, 48.2171, 52.0720 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(137, 196, 183) }
```


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

```
.border{ border-color:rgb(137, 196, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 196, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 196, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 196, 183);  
box-shadow:4px 4px 4px 4px rgb(137, 196,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6037, 48.2171, 52.0720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 196, 183) }
```

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

```
.background{ background-color: rgb(137,  
196, 183) }
```

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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