

Converting Colors

XYZ(38.4729, 49.2111, 56.0337)

Have a look what the booklet for
XYZ(38.4729, 49.2111, 56.0337)
contains.

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Color

**XYZ(38.4701, 49.0766,
56.1603)**

Conversions

Conversions Part 1

Format	Color
Hex	7FC7BE
RGB	127, 199, 190
RGB Percent	50%, 78%, 75%
CMY	0.5019, 0.2196, 0.2549
CMYK	0.36, 0.00, 0.05, 0.22
HSL	172°, 39%, 64%
HSV	172°, 36%, 78%
XYZ	38.4701, 49.0766, 56.1603
YIQ	176.4460, -40.0230, -18.0630

Conversions

Conversions Part 2

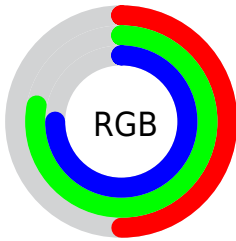
Format	Color
RYB	127, 165, 199
Decimal	8374206
CIELab	75.50, -24.54, -2.64
CIELCh	75, 24.678, 186.133
Yxy	49.0766, 0.2677, 0.3415
Android (android.graphics.Color)	4286564286 (0xFF7FC7BE)
YUV	176.4460, 6.6821, -43.3641
Hunter-Lab	70.0547, -24.5735, 1.5076

Details

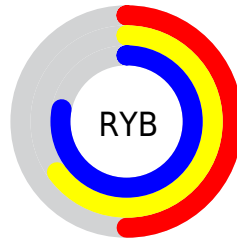
The XYZ color **38.4701, 49.0766, 56.1603** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.5882, 29.0998, 27.0356**, and the grayscale version is **41.4820, 43.6423, 47.5264**.

A 20% lighter version of the original color is **71.6860, 88.1189, 100.4192**, and **17.3884, 23.4734, 27.2813** is the 20% darker color. If you saturate the color by 10%, you get **35.5247, 47.5906, 54.6158**, and if you desaturate by 10%, it is **42.0083, 50.8702, 57.7589**.

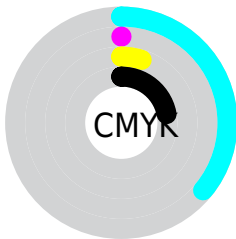
Distribution



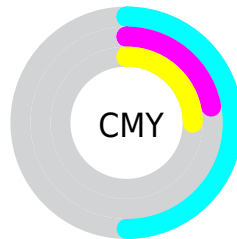
- Red (50%)
- Green (78%)
- Blue (75%)



- Red (50%)
- Yellow (65%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)



- Cyan (50%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4701, 49.0766, 56.1603 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 38.4701, 49.0766, 56.1603 by changing the saturation by 10% instead.

■ 38.4701, 49.0766,
56.1603

■ 38.4701, 49.0766,
56.1603

330.8784,
383.0438, 427.7006

■ 26.5266, 34.6802,
39.9266

■ 72.1274, 88.8052,
100.7270

■ 17.3528, 23.4167,
27.1680

■ 94.5719, 114.9063,
129.8972

■ 10.5832, 14.9015,
17.4659

■ 121.2474,
145.6777, 164.2165

■ 5.8525, 8.7503,
10.4017

152.5194,
181.5038, 204.1037

■ 2.7954, 4.5787,
5.5571

188.7531,
222.7691, 249.9771

■ 1.0465, 2.0022,
2.5133

230.3139,

■ 0.0000, 0.6088,

269.8579, 302.2554

0.8472

277.5673,
323.1547, 361.3570

■ 0.0000, 0.0000,
0.0000

■ 38.4701, 49.0766,
56.1603

■ 38.4701, 49.0766,
56.1603

■ 35.5247, 47.5906,
54.6158

■ 42.0083, 50.8702,
57.7589

■ 33.1333, 46.3884,
53.1203

■ 46.1670, 52.9818,
59.4098

■ 31.2589, 45.4522,
51.6731


■ 50.9770, 55.4287,
61.1157


■ 29.8583, 44.7597,
50.2718


■ 56.4660, 58.2250,
62.8779


■ 28.8814, 44.2852,
48.9142


■ 62.6600, 61.3843,
64.6978


 28.2644, 43.9956,
47.5970

 69.5836, 64.9191,
66.5767

 28.0762, 43.9093,
47.1024

 72.9780, 66.6340,
68.3154

 73.2855, 66.7570,
69.9346

 73.5978, 66.8820,
71.5793

Harmonies

Analogous

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



39.0878, 49.0766, 43.9181



38.4701, 49.0766, 56.1603



39.9252, 49.0766, 69.6291

Triad

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



38.4701, 49.0766, 56.1603



52.0019, 49.0766, 76.3564



50.2792, 49.0766, 33.6274

Complementary

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



38.4701, 49.0766, 56.1603



35.5882, 29.0998, 27.0356

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.



54.0813, 49.0766, 39.9710



38.4701, 49.0766, 56.1603



55.1203, 49.0766, 64.2385

Square

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



38.4701, 49.0766, 56.1603



47.5876, 49.0766, 82.4490



55.9049, 49.0766, 50.8014



45.7166, 49.0766, 32.1794

Rectangle

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



38.4701, 49.0766, 56.1603



41.9344, 49.0766, 77.0804



55.9049, 49.0766, 50.8014



51.6975, 49.0766, 35.2011

Sweetspot

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



38.4715, 49.0786, 56.1614



84.9132, 94.8389, 105.5050



34.5068, 47.6658, 27.4614



17.9293, 20.1745, 22.4947



0.0000, 0.0000, 0.0000



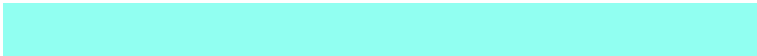
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4715, 49.0786, 56.1614



63.4194, 83.9398, 96.3061



33.9297, 38.3712, 59.6532



10.8874, 12.0439, 13.3573



18.0751, 28.2424, 30.4039



0.8723, 1.3438, 1.5261

Inverse Universe

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



35.5882, 29.0998, 27.0356



57.6822, 44.1232, 38.3045



38.8425, 36.5897, 25.0950



10.6869, 10.6582, 11.3347



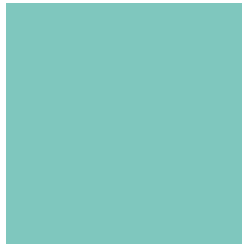
15.2751, 7.8596, 1.3929



0.7416, 0.3795, 0.1623

Previews

White Background



This preview shows how the XYZ color 38.4701, 49.0766, 56.1603 looks on a white background.

Color Contrast Check

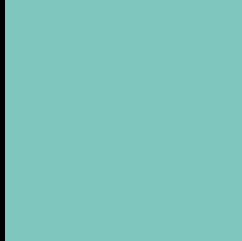
Large Text (above 18pt) WCAG AA × Fail

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 38.4701, 49.0766, 56.1603 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

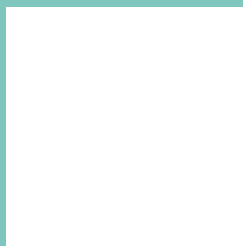
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4701, 49.0766, 56.1603

Background



This preview shows how black text looks on a background with the XYZ color 38.4701, 49.0766, 56.1603.



This preview shows how white text looks on a background with the XYZ color 38.4701, 49.0766,

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

38.4701, 49.0766, 56.1603

Protanopia

46.5703, 48.4772, 51.1585

Deuteranopia

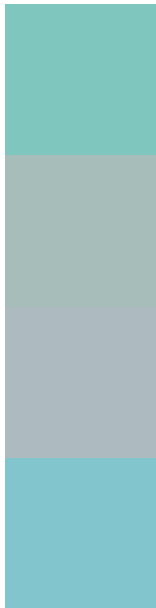
49.6121, 48.6797, 57.8202



Tritanopia

41.1393, 49.1389, 69.6038

Trichromacy



Original Color

38.4701, 49.0766, 56.1603

Protanomaly

42.6804, 48.0050, 52.9153

Deuteranomaly

44.6295, 48.2751, 57.4179

Tritanomaly

40.0713, 49.0380, 64.4800

Monochromacy



Original Color

38.4701, 49.0766, 56.1603

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.5815, 44.8863, 50.2938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4701, 49.0766, 56.1603 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(127, 199, 190)` looks like.

```
.text, #text, p{  
    color:rgb(127, 199, 190)  
}
```

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(127, 199, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 199, 190) }
```

Border

The CSS property to change the border of an element to XYZ 38.4701, 49.0766, 56.1603 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(127, 199, 190) }
```


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

```
.border{ border-color:rgb(127, 199, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 199, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 199, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 199, 190);  
box-shadow:4px 4px 4px 4px rgb(127, 199,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4701, 49.0766, 56.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 199, 190) }
```

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

```
.background{ background-color: rgb(127,  
199, 190) }
```

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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