

Converting Colors

XYZ(31.1636, 40.2172, 50.9003)

Have a look what the booklet for
XYZ(31.1636, 40.2172, 50.9003)
contains.

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Color

**XYZ(31.1896, 40.2289,
50.9208)**

Conversions

Conversions Part 1

Format	Color
Hex	68B7B7
RGB	104, 183, 183
RGB Percent	41%, 72%, 72%
CMY	0.5921, 0.2823, 0.2823
CMYK	0.43, 0.00, 0.00, 0.28
HSL	180°, 35%, 56%
HSV	180°, 43%, 72%
XYZ	31.1896, 40.2289, 50.9208
YIQ	159.3790, -47.0840, -16.7480

Conversions

Conversions Part 2

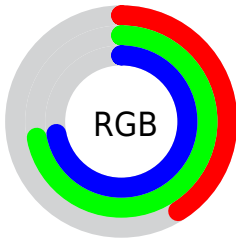
Format	Color
RYB	104, 144, 183
Decimal	6862775
CIELab	69.63, -24.23, -7.60
CIELCh	70, 25.394, 197.414
Yxy	40.2289, 0.2549, 0.3288
Android (android.graphics.Color)	4285052855 (0xFF68B7B7)
YUV	159.3790, 11.6452, -48.5674
Hunter-Lab	63.4263, -23.2193, -3.2017

Details

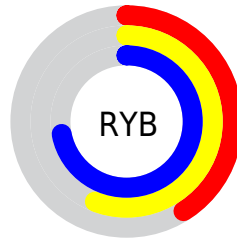
The XYZ color **31.1896, 40.2289, 50.9208** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.9788, 20.9685, 15.7234**, and the grayscale version is **33.0929, 34.8163, 37.9149**.

A 20% lighter version of the original color is **60.9437, 75.4386, 93.0104**, and **13.1842, 18.1813, 23.9336** is the 20% darker color. If you saturate the color by 10%, you get **29.2919, 39.2516, 50.8326**, and if you desaturate by 10%, it is **33.5506, 41.4470, 51.0324**.

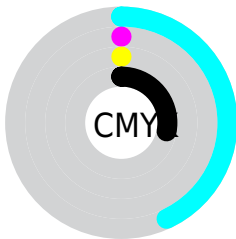
Distribution



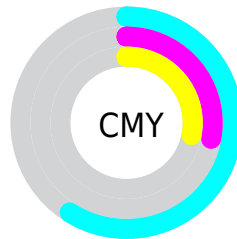
- Red (41%)
- Green (72%)
- Blue (72%)



- Red (41%)
- Yellow (56%)
- Blue (72%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)




- Cyan (59%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1896, 40.2289, 50.9208 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 31.1896, 40.2289, 50.9208 by changing the saturation by 10% instead.


 31.1896, 40.2289,
50.9208


 31.1896, 40.2289,
50.9208


299.2222,
347.0874, 407.0938


 20.8958, 27.7171,
35.7693

 60.9123, 75.5119,
92.9480


 13.1599, 18.1125,
23.9678


 81.0718, 99.0519,
120.6608

 7.6165, 11.0308,
15.0977


 105.2507,
127.0368, 153.3977

 3.9003, 6.0875,
8.7406

 133.8143,
159.8509, 191.5773

 1.6459, 2.8984,
4.4779

167.1278,
197.8786, 235.6182

 0.4220, 1.0789,
1.8910

205.5568,

 0.0000, 0.0000,

241.5043, 285.9389

0.4870

249.4664,
291.1124, 342.9579

■ 0.0000, 0.0000,
0.0000

■ 31.1896, 40.2289,
50.9208

■ 31.1896, 40.2289,
50.9208

■ 29.2919, 39.2516,
50.8326

■ 33.5506, 41.4470,
51.0324

■ 27.8238, 38.4948,
50.7637

■ 36.3988, 42.9153,
51.1660

■ 26.7529, 37.9427,
50.7133

■ 39.7607, 44.6484,
51.3235

■ 26.0404, 37.5754,
50.6797

■ 43.6598, 46.6584,
51.5063

■ 25.6400, 37.3690,
50.6607

■ 48.1181, 48.9568,
51.7152

■ 25.4812, 37.2871,
50.6531

■ 53.1565, 51.5542,
51.9512

■ 58.7948, 54.4608,
52.2153

■ 65.0518, 57.6864,
52.5084

■ 66.7219, 58.5474,
52.5868

Harmonies

Analogous

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



31.0396, 40.2289, 39.0596



31.1896, 40.2289, 50.9208



33.1407, 40.2289, 62.6398

Triad

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



31.1896, 40.2289, 50.9208



44.3462, 40.2289, 60.9464



39.9820, 40.2289, 25.2392

Complementary

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



31.1896, 40.2289, 50.9208



26.9788, 20.9685, 15.7234

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.



43.8293, 40.2289, 29.1798



31.1896, 40.2289, 50.9208



46.4675, 40.2289, 48.9144

Square

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



31.1896, 40.2289, 50.9208



40.6472, 40.2289, 69.1016



46.2718, 40.2289, 37.3804



35.9228, 40.2289, 25.5820

Rectangle

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



31.1896, 40.2289, 50.9208



35.2847, 40.2289, 68.1606



46.2718, 40.2289, 37.3804



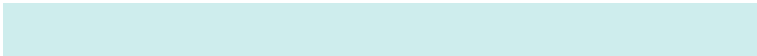
41.3482, 40.2289, 26.0725

Sweetspot

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



31.1908, 40.2305, 50.9217



71.1782, 79.9462, 91.9148



25.2963, 37.8905, 19.0779



15.4099, 17.4972, 20.2866



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.1908, 40.2305, 50.9217



52.5528, 70.3444, 91.0414



24.3547, 26.5580, 48.6441



9.2667, 10.2107, 11.5618



17.7755, 26.0111, 35.3352



0.6266, 0.9170, 1.2457

Inverse Universe

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



26.9788, 20.9685, 15.7234



44.0014, 31.2383, 19.5809



31.7288, 30.4688, 17.3063



9.0046, 9.0122, 9.3719



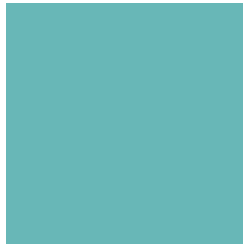
13.6234, 7.0231, 0.6377



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 31.1896, 40.2289, 50.9208 looks on a white background.

Color Contrast Check

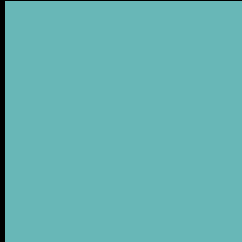
Large Text (above 18pt) WCAG AA × Fail

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 31.1896, 40.2289, 50.9208 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

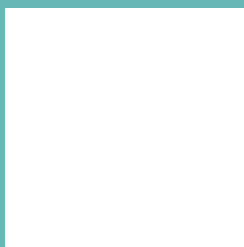
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1896, 40.2289, 50.9208

Background



This preview shows how black text looks on a background with the XYZ color 31.1896, 40.2289, 50.9208.



This preview shows how white text looks on a background with the XYZ color 31.1896, 40.2289,

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

31.1896, 40.2289, 50.9208

Protanopia

38.4372, 39.7192, 45.6851

Deuteranopia

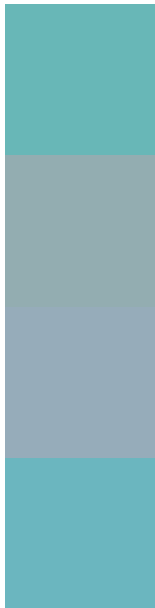
40.5562, 39.8452, 52.5671



Tritanopia

32.6720, 40.2214, 58.2661

Trichromacy



Original Color

31.1896, 40.2289, 50.9208

Protanomaly

34.9120, 39.2645, 47.3337

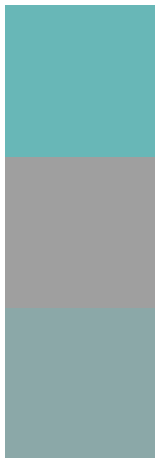
Deuteranomaly

36.1931, 39.5342, 52.1777

Tritanomaly

32.1953, 40.3433, 55.3804

Monochromacy



Original Color

31.1896, 40.2289, 50.9208

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.7180, 36.3214, 42.3848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1896, 40.2289, 50.9208 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(104, 183, 183)` looks like.

```
.text, #text, p{  
    color:rgb(104, 183, 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(104, 183, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 183, 183) }
```

Border

The CSS property to change the border of an element to XYZ 31.1896, 40.2289, 50.9208 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(104, 183, 183) }
```


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

```
.border{ border-color:rgb(104, 183, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 183, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 183, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 183, 183);  
box-shadow:4px 4px 4px 4px rgb(104, 183,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1896, 40.2289, 50.9208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 183, 183) }
```

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

```
.background{ background-color: rgb(104,  
183, 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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