

Converting Colors

XYZ(31.5377, 39.3805, 51.0676)

Have a look what the booklet for
XYZ(31.5377, 39.3805, 51.0676)
contains.

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Color

**XYZ(31.6551, 39.5480,
51.3125)**

Conversions

Conversions Part 1

Format	Color
Hex	70B4B8
RGB	112, 180, 184
RGB Percent	44%, 71%, 72%
CMY	0.5608, 0.2941, 0.2784
CMYK	0.39, 0.02, 0.00, 0.28
HSL	183°, 34%, 58%
HSV	183°, 39%, 72%
XYZ	31.6551, 39.5480, 51.3125
YIQ	160.1240, -41.8120, -13.1720

Conversions

Conversions Part 2

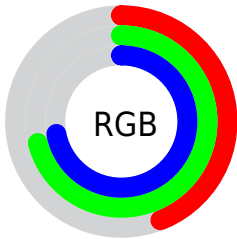
Format	Color
RYB	112, 147, 184
Decimal	7386296
CIELab	69.15, -20.43, -8.83
CIElCh	69, 22.257, 203.386
Yxy	39.5480, 0.2584, 0.3228
Android (android.graphics.Color)	4285576376 (0xFF70B4B8)
YUV	160.1240, 11.7709, -42.2047
Hunter-Lab	62.8872, -20.2023, -4.3563

Details

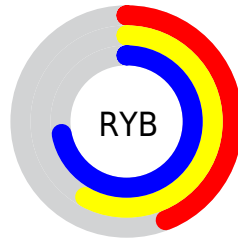
The XYZ color **31.6551, 39.5480, 51.3125** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.9378, 23.8514, 18.4088**, and the grayscale version is **33.4330, 35.1741, 38.3046**.

A 20% lighter version of the original color is **61.6600, 74.4977, 93.5677**, and **13.4310, 17.7170, 24.1846** is the 20% darker color. If you saturate the color by 10%, you get **29.3438, 38.0523, 51.1463**, and if you desaturate by 10%, it is **34.4487, 41.2965, 51.5034**.

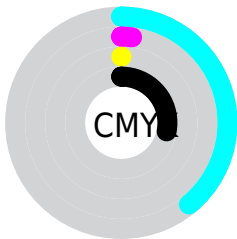
Distribution



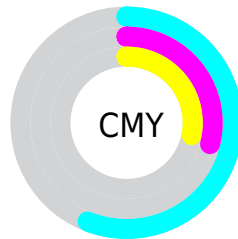
- Red (44%)
- Green (71%)
- Blue (72%)



- Red (44%)
- Yellow (58%)
- Blue (72%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (28%)



- Cyan (56%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6551, 39.5480, 51.3125 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 31.6551, 39.5480, 51.3125 by changing the saturation by 10% instead.

■ 31.6551, 39.5480,
51.3125

■ 31.6551, 39.5480,
51.3125

301.3184,
344.2148, 408.6579

■ 21.2525, 27.1863,
36.0789

■ 61.6389, 74.4747,
93.5328

■ 13.4222, 17.7132,
24.2050

■ 81.9507, 97.8086,
121.3565

■ 7.7989, 10.7443,
15.2721

■ 106.2963,
125.5685, 154.2141

■ 4.0173, 5.8951,
8.8619

135.0410,
158.1391, 192.5240

■ 1.7119, 2.7814,
4.5556

168.5502,
195.9046, 236.7048

■ 0.4637, 1.0187,
1.9348

207.1893,

■ 0.0000, 0.0000,

239.2494, 287.1750

0.5148

251.3236,
288.5580, 344.3532

■ 0.0000, 0.0000,
0.0000

■ 31.6551, 39.5480,
51.3125

■ 31.6551, 39.5480,
51.3125

■ 29.3438, 38.0523,
51.1463

■ 34.4487, 41.2965,
51.5034

■ 27.4818, 36.7896,
51.0007

■ 37.7480, 43.3069,
51.7176

■ 26.0379, 35.7447,
50.8751

■ 41.5789, 45.5936,
51.9571

■ 24.9751, 34.8984,
50.7678

■ 45.9646, 48.1687,
52.2230

■ 24.2499, 34.2285,
50.6767

■ 50.9271, 51.0434,
52.5163

■ 23.7835, 33.6942,
50.5982

■ 56.4870, 54.2283,
52.8380

■ 23.7462, 33.6495,
50.5915

■ 62.6639, 57.7336,
53.1890

■ 67.9129, 60.7629,
53.4971

■ 68.1322, 61.2015,
53.5702

Harmonies

Analogous

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



31.1969, 39.5480, 40.8444



31.6551, 39.5480, 51.3125



33.6562, 39.5480, 60.7730

Triad

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



31.6551, 39.5480, 51.3125



43.3501, 39.5480, 55.8305



38.3823, 39.5480, 26.3885

Complementary

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



31.6551, 39.5480, 51.3125



28.9378, 23.8514, 18.4088

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.



41.8173, 39.5480, 29.1755



31.6551, 39.5480, 51.3125



44.8000, 39.5480, 45.3564

Square

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



31.6551, 39.5480, 51.3125



40.3696, 39.5480, 63.6556



44.2221, 39.5480, 35.7453



34.9395, 39.5480, 27.4698

Rectangle

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



31.6551, 39.5480, 51.3125



35.6676, 39.5480, 64.6881



44.2221, 39.5480, 35.7453



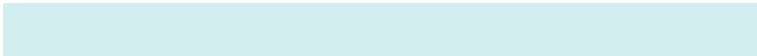
39.5786, 39.5480, 26.8875

Sweetspot

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



31.6563, 39.5496, 51.3134



73.1337, 81.3218, 94.0467



26.9526, 38.9782, 22.5052



15.5698, 17.4144, 20.2623



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.



31.6563, 39.5496, 51.3134



53.7070, 69.3184, 92.7537



25.3687, 26.9743, 49.2175



9.2228, 10.1229, 11.5473



16.3829, 23.2254, 34.8726



0.5906, 0.8449, 1.2337

Inverse Universe

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



33.8005, 25.0750, 46.2403



58.1996, 39.5708, 81.9945



33.8560, 33.6879, 20.0482



9.3588, 9.1539, 11.2369



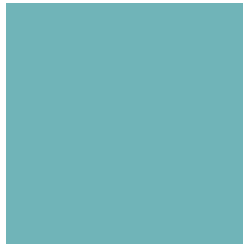
18.8830, 9.1270, 28.3343



0.6723, 0.3244, 1.0336

Previews

White Background



This preview shows how the XYZ color 31.6551, 39.5480, 51.3125 looks on a white background.

Color Contrast Check

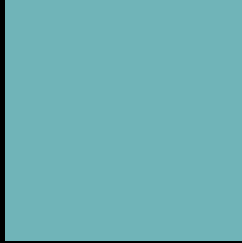
Large Text (above 18pt) WCAG AA × Fail

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 31.6551, 39.5480, 51.3125 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 31.6551, 39.5480, 51.3125

Background



This preview shows how black text looks on a background with the XYZ color 31.6551, 39.5480, 51.3125.

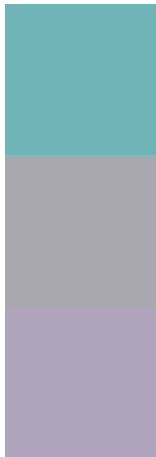


This preview shows how white text looks on a background with the XYZ color 31.6551, 39.5480,

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

31.6551, 39.5480, 51.3125

Protanopia

38.0174, 39.2070, 46.6383

Deuteranopia

39.9243, 39.2527, 52.4860



Tritanopia

32.6852, 39.6679, 56.3860

Trichromacy



Original Color

31.6551, 39.5480, 51.3125

Protanomaly

35.1019, 39.0556, 48.3362

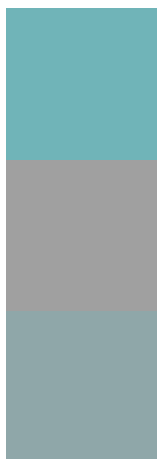
Deuteranomaly

36.1865, 38.9700, 52.0691

Tritanomaly

32.2244, 39.4686, 54.6350

Monochromacy



Original Color

31.6551, 39.5480, 51.3125

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.3078, 36.3416, 42.8480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6551, 39.5480, 51.3125 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(112, 180, 184)` looks like.

```
.text, #text, p{  
    color:rgb(112, 180, 184)  
}
```

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(112, 180, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 180, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.6551, 39.5480, 51.3125 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(112, 180, 184) }
```


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

```
.border{ border-color:rgb(112, 180, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 180, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 180, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 180, 184);  
box-shadow:4px 4px 4px 4px rgb(112, 180,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6551, 39.5480, 51.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 180, 184) }
```

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

```
.background{ background-color: rgb(112,  
180, 184) }
```

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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