

Converting Colors

XYZ(31.3372, 37.4706, 51.1492)

Have a look what the booklet for
XYZ(31.3372, 37.4706, 51.1492)
contains.

XYZ(31.2030, 37.2698, 50.8966)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.2030, 37.2698,
50.8966)**

Conversions

Conversions Part 1

Format	Color
Hex	77ADB8
RGB	119, 173, 184
RGB Percent	47%, 68%, 72%
CMY	0.5333, 0.3216, 0.2784
CMYK	0.35, 0.06, 0.00, 0.28
HSL	190°, 31%, 59%
HSV	190°, 35%, 72%
XYZ	31.2030, 37.2698, 50.8966
YIQ	158.1080, -35.7150, -8.0270

Conversions

Conversions Part 2

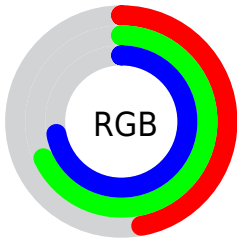
Format	Color
R _{YB}	119, 148, 184
Decimal	7843256
CIE _{Lab}	67.48, -14.90, -11.29
CIE _{LCh}	67, 18.693, 217.147
Yxy	37.2698, 0.2614, 0.3122
Android (android.graphics.Color)	4286033336 (0xFF77ADB8)
YUV	158.1080, 12.7648, -34.2977
Hunter-Lab	61.0490, -15.6019, -6.6958

Details

The XYZ color **31.2030, 37.2698, 50.8966** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.0800, 27.4877, 21.1211**, and the grayscale version is **32.5048, 34.1975, 37.2411**.

A 20% lighter version of the original color is **60.9811, 71.2141, 92.9697**, and **13.2488, 16.5067, 23.9606** is the 20% darker color. If you saturate the color by 10%, you get **28.3284, 34.9128, 50.5938**, and if you desaturate by 10%, it is **34.5827, 39.9096, 51.2286**.

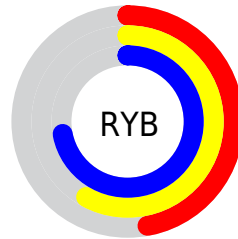
Distribution



Red (47%)

Green (68%)

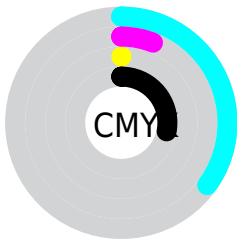
Blue (72%)



Red (47%)

Yellow (58%)

Blue (72%)

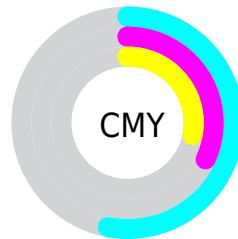


Cyan (35%)

Magenta (6%)

Yellow (0%)

Black (28%)



Cyan (53%)

Magenta (32%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2030, 37.2698, 50.8966 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 31.2030, 37.2698, 50.8966 by changing the saturation by 10% instead.

■ 31.2030, 37.2698,
50.8966

■ 31.2030, 37.2698,
50.8966

299.2827,
334.4771, 406.9970

■ 20.9061, 25.4165,
35.7502

■ 60.9332, 70.9875,
92.9118

■ 13.1674, 16.3876,
23.9531

■ 81.0972, 93.6207,
120.6177

■ 7.6217, 9.7988,
15.0870

■ 105.2809,
120.6160, 153.3472

■ 3.9036, 5.2658,
8.7332

133.8497,
152.3577, 191.5188

■ 1.6478, 2.4040,
4.4731

167.1689,
189.2303, 235.5510

■ 0.4232, 0.8280,
1.8883

205.6039,

■ 0.0000, 0.0000,

231.6181, 285.8624

0.4853

249.5200,
279.9056, 342.8716

■ 0.0000, 0.0000,
0.0000

■ 31.2030, 37.2698,
50.8966

■ 31.2030, 37.2698,
50.8966

■ 28.3284, 34.9128,
50.5938

■ 34.5827, 39.9096,
51.2286

■ 25.9270, 32.8194,
50.3163

■ 38.4902, 42.8414,
51.5886

■ 23.9687, 30.9747,
50.0635

■ 42.9509, 46.0794,
51.9785

■ 22.4182, 29.3606,
49.8336

■ 47.9876, 49.6353,
52.3994

■ 21.2349, 27.9558,
49.6248

■ 53.6218, 53.5204,
52.8523

■ 20.3686, 26.7344,
49.4347

■ 59.8738, 57.7454,
53.3383

■ 20.0215, 26.2001,
49.3499

■ 66.7630, 62.3202,
53.8582

■ 70.0653, 65.0676,
54.2145

■ 70.7838, 66.5047,
54.4540

Harmonies

Analogous

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



30.2235, 37.2698, 42.5796



31.2030, 37.2698, 50.8966



33.3227, 37.2698, 56.9638

Triad

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



31.2030, 37.2698, 50.8966



40.7587, 37.2698, 47.0359



34.7414, 37.2698, 26.8271

Complementary

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



31.2030, 37.2698, 50.8966



31.0800, 27.4877, 21.1211

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.



37.6114, 37.2698, 27.6847



31.2030, 37.2698, 50.8966



41.1889, 37.2698, 38.6449

Square

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



31.2030, 37.2698, 50.8966



38.8633, 37.2698, 54.5329



40.0091, 37.2698, 31.7619



32.1935, 37.2698, 29.2373

Rectangle

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



31.2030, 37.2698, 50.8966



35.1498, 37.2698, 58.5089



40.0091, 37.2698, 31.7619



35.6993, 37.2698, 26.7488

Sweetspot

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



31.2041, 37.2713, 50.8975



72.9976, 80.0229, 93.8032



28.7670, 39.8108, 27.2293



15.5076, 17.0841, 20.2018



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.



31.2041, 37.2713, 50.8975



52.6340, 64.3617, 91.8536



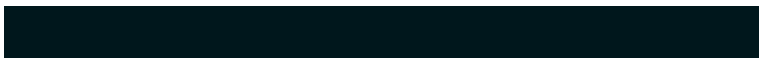
25.7360, 26.3350, 49.0748



9.1339, 9.9450, 11.5176



13.8434, 18.1465, 34.0261



0.5227, 0.7090, 1.2111

Inverse Universe

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



33.9077, 26.4019, 42.8458



58.3441, 42.2553, 74.6572



36.0767, 37.4812, 22.7866



9.3139, 9.1359, 11.0005



17.6012, 8.6142, 21.5845



0.6380, 0.3107, 0.8530

Previews

White Background



This preview shows how the XYZ color 31.2030, 37.2698, 50.8966 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 31.2030, 37.2698, 50.8966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

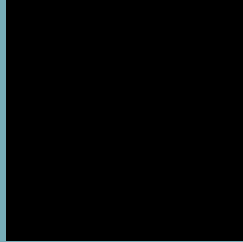
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2030, 37.2698, 50.8966

Background



This preview shows how black text looks on a background with the XYZ color 31.2030, 37.2698, 50.8966.

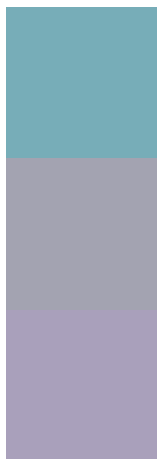


This preview shows how white text looks on a background with the XYZ color 31.2030, 37.2698,

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

31.2030, 37.2698, 50.8966

Protanopia

36.1373, 37.1552, 46.8620

Deuteranopia

37.9026, 37.1645, 52.1895



Tritanopia

31.5522, 37.4254, 52.0152

Trichromacy



Original Color

31.2030, 37.2698, 50.8966

Protanomaly

34.0896, 37.1358, 48.5512

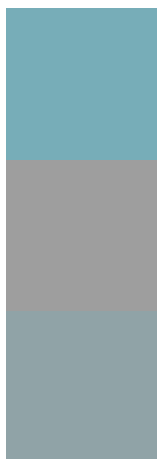
Deuteranomaly

35.0806, 37.0347, 51.7539

Tritanomaly

31.4463, 37.3830, 51.4572

Monochromacy



Original Color

31.2030, 37.2698, 50.8966

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.5738, 34.9137, 41.6341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2030, 37.2698, 50.8966 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(119, 173, 184)` looks like.

```
.text, #text, p{  
    color:rgb(119, 173, 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(119, 173, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 173, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.2030, 37.2698, 50.8966 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(119, 173, 184) }
```


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

```
.border{ border-color:rgb(119, 173, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 173, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 173, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 173, 184);  
box-shadow:4px 4px 4px 4px rgb(119, 173,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2030, 37.2698, 50.8966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 173, 184) }
```

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

```
.background{ background-color: rgb(119,  
173, 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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