

Converting Colors

XYZ(31.2005, 36.7172, 51.8244)

Have a look what the booklet for
XYZ(31.2005, 36.7172, 51.8244)
contains.

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Color

**XYZ(31.1716, 36.6641,
51.8883)**

Conversions

Conversions Part 1

Format	Color
Hex	78ABBA
RGB	120, 171, 186
RGB Percent	47%, 67%, 73%
CMY	0.5294, 0.3294, 0.2706
CMYK	0.35, 0.08, 0.00, 0.27
HSL	194°, 32%, 60%
HSV	194°, 35%, 73%
XYZ	31.1716, 36.6641, 51.8883
YIQ	157.4610, -35.2110, -6.1470

Conversions

Conversions Part 2

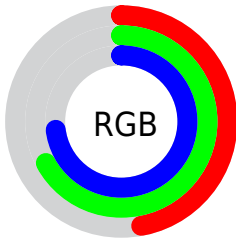
Format	Color
R _Y B	120, 149, 186
Decimal	7908282
CIE Lab	67.02, -13.06, -13.07
CIE LCh	67, 18.476, 225.039
Yxy	36.6641, 0.2604, 0.3062
Android (android.graphics.Color)	4286098362 (0xFF78ABBA)
YUV	157.4610, 14.0697, -32.8533
Hunter-Lab	60.5509, -14.0722, -8.4222

Details

The XYZ color **31.1716, 36.6641, 51.8883** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.3044, 29.1236, 21.6891**, and the grayscale version is **32.2064, 33.8836, 36.8992**.

A 20% lighter version of the original color is **60.6789, 69.8022, 94.2795**, and **13.2144, 16.1161, 24.6045** is the 20% darker color. If you saturate the color by 10%, you get **28.0529, 33.8908, 51.5180**, and if you desaturate by 10%, it is **34.8191, 39.7497, 52.2923**.

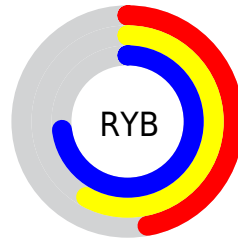
Distribution



Red (47%)

Green (67%)

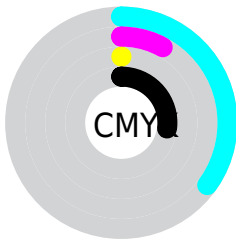
Blue (73%)



Red (47%)

Yellow (58%)

Blue (73%)

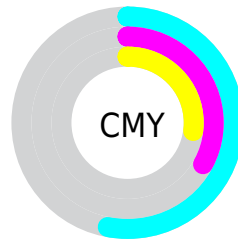


Cyan (35%)

Magenta (8%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (33%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1716, 36.6641, 51.8883 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 31.1716, 36.6641, 51.8883 by changing the saturation by 10% instead.

■ 31.1716, 36.6641,
51.8883

■ 31.1716, 36.6641,
51.8883

299.1409,
331.8540, 410.9499

■ 20.8820, 24.9475,
36.5344

■ 60.8841, 70.0559,
94.3914

■ 13.1498, 16.0380,
24.5543

■ 81.0378, 92.4998,
122.3777

■ 7.6095, 9.5510,
15.5293

■ 105.2102,
119.2884, 155.4119

■ 3.8958, 5.1023,
9.0410

133.7667,
150.8060, 193.9125

■ 1.6433, 2.3074,
4.6707

167.0727,
187.4369, 238.2980

■ 0.4204, 0.7776,
2.0001

205.4935,

■ 0.0000, 0.0000,

229.5656, 288.9871

0.5553

249.3944,
277.5765, 346.3982

■ 0.0000, 0.0000,
0.0000

■ 31.1716, 36.6641,
51.8883

■ 31.1716, 36.6641,
51.8883

■ 28.0529, 33.8908,
51.5180

■ 34.8191, 39.7497,
52.2923

■ 25.4303, 31.4100,
51.1774

■ 39.0192, 43.1574,
52.7287

■ 23.2726, 29.2060,
50.8657

■ 43.7980, 46.9021,
53.1996

■ 21.5434, 27.2598,
50.5812

■ 49.1790, 50.9962,
53.7062

■ 20.2006, 25.5492,
50.3218

■ 55.1845, 55.4515,
54.2496

■ 19.1920, 24.0471,
50.0850

■ 61.8354, 60.2791,
54.8309

■ 18.7959, 23.4109,
49.9831

■ 69.1519, 65.4897,
55.4511

■ 71.8908, 68.3807,
55.8647

■ 72.9145, 70.4280,
56.2059

Harmonies

Analogous

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



29.8911, 36.6641, 44.0679



31.1716, 36.6641, 51.8883



33.4732, 36.6641, 56.7946

Triad

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



31.1716, 36.6641, 51.8883



40.3271, 36.6641, 44.0460



33.4663, 36.6641, 26.7760

Complementary

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



31.1716, 36.6641, 51.8883



32.3044, 29.1236, 21.6891

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.



36.2602, 36.6641, 26.7718



31.1716, 36.6641, 51.8883



40.3250, 36.6641, 36.0427

Square

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



31.1716, 36.6641, 51.8883



38.8086, 36.6641, 51.8704



38.8029, 36.6641, 29.9516



31.1667, 36.6641, 29.9640

Rectangle

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



31.1716, 36.6641, 51.8883



35.3244, 36.6641, 57.3839



38.8029, 36.6641, 29.9516



34.3762, 36.6641, 26.4177

Sweetspot

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



31.1727, 36.6655, 51.8892



74.3177, 81.0672, 95.9320



29.6295, 40.8412, 28.9866



16.1109, 17.6515, 21.1005



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.1727, 36.6655, 51.8892



51.7811, 62.2794, 93.4934



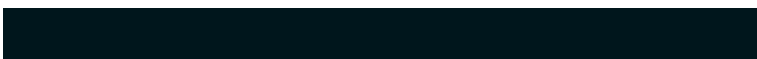
25.7988, 25.9177, 50.0978



9.0889, 9.8551, 11.5026



12.7035, 15.8666, 33.6461



0.4910, 0.6456, 1.2005

Inverse Universe

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



34.3178, 26.8133, 41.8964



58.5349, 42.2144, 71.7902



37.5144, 39.5435, 23.4257



9.2912, 9.1269, 10.8811



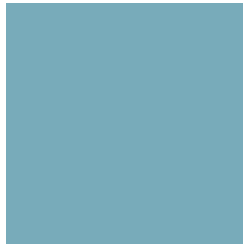
17.0258, 8.3841, 18.5545



0.6220, 0.3043, 0.7687

Previews

White Background



This preview shows how the XYZ color 31.1716, 36.6641, 51.8883 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 31.1716, 36.6641, 51.8883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

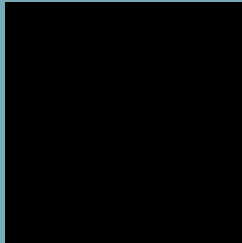
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1716, 36.6641, 51.8883

Background



This preview shows how black text looks on a background with the XYZ color 31.1716, 36.6641, 51.8883.



This preview shows how white text looks on a background with the XYZ color 31.1716, 36.6641,

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

31.1716, 36.6641, 51.8883

Protanopia

35.4803, 36.2586, 48.3086

Deuteranopia

37.3093, 36.5774, 53.2378



Tritanopia

31.0656, 36.6217, 51.3303

Trichromacy



Original Color

31.1716, 36.6641, 51.8883

Protanomaly

33.5757, 36.3074, 49.4944

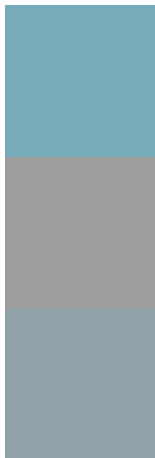
Deuteranomaly

34.5687, 36.2148, 52.7451

Tritanomaly

31.0656, 36.6217, 51.3303

Monochromacy



Original Color

31.1716, 36.6641, 51.8883

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.4898, 34.5971, 42.0640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1716, 36.6641, 51.8883 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(120, 171, 186)` looks like.

```
.text, #text, p{  
    color:rgb(120, 171, 186)  
}
```

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(120, 171, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 171, 186) }
```

Border

The CSS property to change the border of an element to XYZ 31.1716, 36.6641, 51.8883 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(120, 171, 186) }
```


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

```
.border{ border-color:rgb(120, 171, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 171, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 171, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 171, 186);  
box-shadow:4px 4px 4px 4px rgb(120, 171,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1716, 36.6641, 51.8883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 171, 186) }
```

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

```
.background{ background-color: rgb(120,  
171, 186) }
```

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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