

Converting Colors

XYZ(31.7168, 38.4948, 50.8464)

Have a look what the booklet for
XYZ(31.7168, 38.4948, 50.8464)
contains.

XYZ(31.6483, 38.3629, 51.0841)	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(31.6483, 38.3629,
51.0841)**

Conversions

Conversions Part 1

Format	Color
Hex	76B0B8
RGB	118, 176, 184
RGB Percent	46%, 69%, 72%
CMY	0.5372, 0.3098, 0.2784
CMYK	0.36, 0.04, 0.00, 0.28
HSL	187°, 32%, 59%
HSV	187°, 36%, 72%
XYZ	31.6483, 38.3629, 51.0841
YIQ	159.5700, -37.1360, -9.8080

Conversions

Conversions Part 2

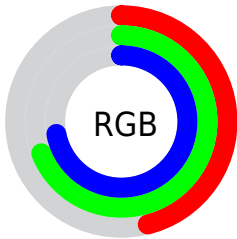
Format	Color
R _Y B	118, 149, 184
Decimal	7778488
CIE Lab	68.29, -16.75, -10.08
CIE LCh	68, 19.552, 211.050
Yxy	38.3629, 0.2614, 0.3168
Android (android.graphics.Color)	4285968568 (0xFF76B0B8)
YUV	159.5700, 12.0440, -36.4569
Hunter-Lab	61.9378, -17.1831, -5.5438

Details

The XYZ color **31.6483, 38.3629, 51.0841** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.4987, 26.4206, 20.6328**, and the grayscale version is **33.1754, 34.9031, 38.0095**.

A 20% lighter version of the original color is **61.8184, 72.8887, 93.2488**, and **13.3597, 16.9284, 24.0361** is the 20% darker color. If you saturate the color by 10%, you get **28.9559, 36.3321, 50.8347**, and if you desaturate by 10%, it is **34.8376, 40.6624, 51.3605**.

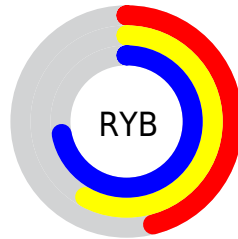
Distribution



Red (46%)

Green (69%)

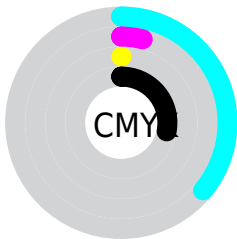
Blue (72%)



Red (46%)

Yellow (58%)

Blue (72%)

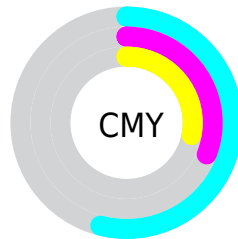


Cyan (36%)

Magenta (4%)

Yellow (0%)

Black (28%)



Cyan (54%)

Magenta (31%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6483, 38.3629, 51.0841 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 31.6483, 38.3629, 51.0841 by changing the saturation by 10% instead.

■ 31.6483, 38.3629,
51.0841

■ 31.6483, 38.3629,
51.0841

301.2878,
339.1742, 407.7463

■ 21.2473, 26.2645,
35.8983

■ 61.6282, 72.6640,
93.1918

■ 13.4183, 17.0216,
24.0666

■ 81.9379, 95.6355,
120.9509

■ 7.7962, 10.2499,
15.1704

■ 106.2810,
123.0001, 153.7382

■ 4.0155, 5.5650,
8.7911

135.0231,
155.1423, 191.9722

■ 1.7109, 2.5824,
4.5102

168.5295,
192.4464, 236.0715

■ 0.4631, 0.9178,
1.9092

207.1655,

■ 0.0000, 0.0000,

235.2968, 286.4546

0.4986

251.2965,
284.0779, 343.5400

■ 0.0000, 0.0000,
0.0000

■ 31.6483, 38.3629,
51.0841

■ 31.6483, 38.3629,
51.0841

■ 28.9559, 36.3321,
50.8347

■ 34.8376, 40.6624,
51.3605

■ 26.7284, 34.5506,
50.6082

■ 38.5466, 43.2396,
51.6625

■ 24.9356, 33.0038,
50.4041

■ 42.8006, 46.1085,
51.9920

■ 23.5420, 31.6733,
50.2208

■ 47.6226, 49.2810,
52.3502

■ 22.5067, 30.5380,
50.0562

■ 53.0339, 52.7682,
52.7381

■ 21.7776, 29.5709,
49.9080

■ 59.0550, 56.5807,
53.1566

■ 21.5199, 29.1968,
49.8494

■ 65.7051, 60.7284,
53.6067

■ 69.1484, 63.2339,
53.9089

■ 69.6479, 64.2329,
54.0754

Harmonies

Analogous

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



30.8879, 38.3629, 42.0804



31.6483, 38.3629, 51.0841



33.6868, 38.3629, 58.3287

Triad

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



31.6483, 38.3629, 51.0841



41.8605, 38.3629, 50.4746



36.3550, 38.3629, 27.0797

Complementary

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



31.6483, 38.3629, 51.0841



30.4987, 26.4206, 20.6328

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.



39.3872, 38.3629, 28.6864



31.6483, 38.3629, 51.0841



42.6711, 38.3629, 41.4625

Square

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



31.6483, 38.3629, 51.0841



39.5842, 38.3629, 57.9436



41.7423, 38.3629, 33.6642



33.5099, 38.3629, 28.9275

Rectangle

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



31.6483, 38.3629, 51.0841



35.5546, 38.3629, 60.7366



41.7423, 38.3629, 33.6642



37.3863, 38.3629, 27.2316

Sweetspot

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



31.6495, 38.3644, 51.0850



73.3619, 80.7514, 93.9246



28.3591, 39.6319, 25.7934



15.5953, 17.2595, 20.2311



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.



31.6495, 38.3644, 51.0850



53.4658, 66.6132, 92.2443



25.9914, 27.0484, 49.1990



9.1713, 10.0198, 11.5301



14.8657, 20.1911, 34.3668



0.5504, 0.7645, 1.2203

Inverse Universe

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



34.0830, 26.2828, 44.3526



58.6205, 41.8164, 77.8063



35.3846, 36.1925, 22.2614



9.3328, 9.1435, 11.1000



18.1172, 8.8206, 24.3017



0.6520, 0.3163, 0.9268

Previews

White Background



This preview shows how the XYZ color 31.6483, 38.3629, 51.0841 looks on a white background.

Color Contrast Check

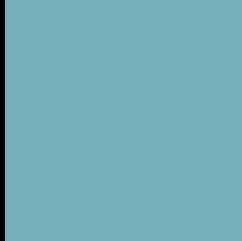
Large Text (above 18pt) WCAG AA × Fail

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 31.6483, 38.3629, 51.0841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

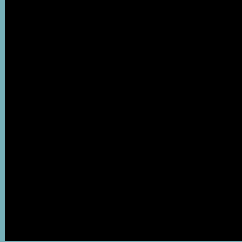
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6483, 38.3629, 51.0841

Background



This preview shows how black text looks on a background with the XYZ color 31.6483, 38.3629, 51.0841.

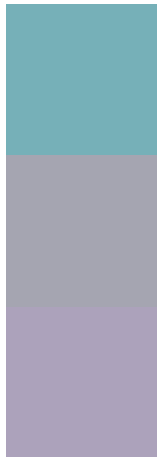


This preview shows how white text looks on a background with the XYZ color 31.6483, 38.3629,

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

31.6483, 38.3629, 51.0841

Protanopia

36.9080, 38.0839, 47.0006

Deuteranopia

38.9032, 38.1992, 52.3365



Tritanopia

32.1230, 38.2560, 53.8352

Trichromacy



Original Color

31.6483, 38.3629, 51.0841

Protanomaly

34.6389, 37.9671, 48.6827

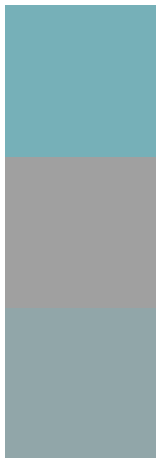
Deuteranomaly

35.6305, 37.8580, 51.8838

Tritanomaly

31.9074, 38.1697, 52.6995

Monochromacy



Original Color

31.6483, 38.3629, 51.0841

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4747, 36.1568, 42.8035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6483, 38.3629, 51.0841 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(118, 176, 184)` looks like.

```
.text, #text, p{  
    color:rgb(118, 176, 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(118, 176, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 176, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.6483, 38.3629, 51.0841 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(118, 176, 184) }
```


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

```
.border{ border-color:rgb(118, 176, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 176, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 176, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 176, 184);  
box-shadow:4px 4px 4px 4px rgb(118, 176,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6483, 38.3629, 51.0841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 176, 184) }
```

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

```
.background{ background-color: rgb(118,  
176, 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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