

Converting Colors

XYZ(32.1058, 38.1838, 48.9815)

Have a look what the booklet for
XYZ(32.1058, 38.1838, 48.9815)
contains.

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Color

**XYZ(31.9785, 38.0030,
48.8299)**

Conversions

Conversions Part 1

Format	Color
Hex	7EAE B4
RGB	126, 174, 180
RGB Percent	49%, 68%, 71%
CMY	0.5059, 0.3176, 0.2941
CMYK	0.30, 0.03, 0.00, 0.29
HSL	187°, 26%, 60%
HSV	187°, 30%, 71%
XYZ	31.9785, 38.0030, 48.8299
YIQ	160.3320, -30.5340, -8.3100

Conversions

Conversions Part 2

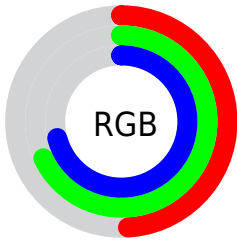
Format	Color
R_{YB}	126, 151, 180
Decimal	8302260
CIE _{Lab}	68.02, -14.41, -8.22
CIE _{LCh}	68, 16.590, 209.703
Yxy	38.0030, 0.2692, 0.3199
Android (android.graphics.Color)	4286492340 (0xFF7EAE _{B4})
YUV	160.3320, 9.6963, -30.1092
Hunter-Lab	61.6466, -15.2865, -3.8107

Details

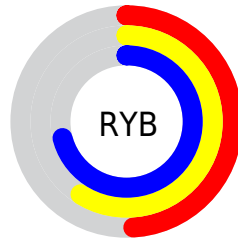
The XYZ color **31.9785, 38.0030, 48.8299** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.8401, 27.7127, 23.4633**, and the grayscale version is **33.5344, 35.2808, 38.4208**.

A 20% lighter version of the original color is **62.2595, 72.3531, 90.0410**, and **13.6143, 16.9072, 22.6245** is the 20% darker color. If you saturate the color by 10%, you get **29.1763, 35.9901, 48.5897**, and if you desaturate by 10%, it is **35.2663, 40.2766, 49.0961**.

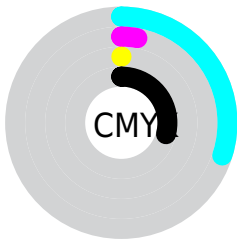
Distribution



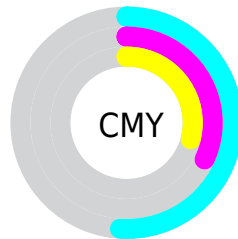
- Red (49%)
- Green (68%)
- Blue (71%)



- Red (49%)
- Yellow (59%)
- Blue (71%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)



- Cyan (51%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9785, 38.0030, 48.8299 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 31.9785, 38.0030, 48.8299 by changing the saturation by 10% instead.

■ 31.9785, 38.0030,
48.8299

■ 31.9785, 38.0030,
48.8299

302.7683,
337.6328, 398.6755

■ 21.5005, 25.9850,
34.1199

■ 62.1428, 72.1127,
89.8171

■ 13.6049, 16.8124,
22.7076

■ 82.5599, 94.9733,
116.9315

■ 7.9263, 10.1009,
14.1745

■ 107.0207,
122.2168, 149.0177

■ 4.0992, 5.4659,
8.1020

135.8906,
154.2277, 186.4943

■ 1.7584, 2.5231,
4.0716

169.5349,
191.3903, 229.7798

■ 0.4924, 0.8882,
1.6647

208.3191,

■ 0.0000, 0.0000,

234.0892, 279.2928

0.3364

252.6085,
282.7085, 335.4519

■ 0.0000, 0.0000,
0.0000

■ 31.9785, 38.0030,
48.8299

■ 31.9785, 38.0030,
48.8299

■ 29.1763, 35.9901,
48.5897

■ 35.2663, 40.2766,
49.0961

■ 26.8306, 34.2202,
48.3717

■ 39.0601, 42.8187,
49.3868

■ 24.9146, 32.6802,
48.1755

■ 43.3830, 45.6421,
49.7040

■ 23.3970, 31.3541,
47.9995

■ 48.2561, 48.7578,
50.0485

■ 22.2425, 30.2236,
47.8421

■ 53.6988, 52.1759,
50.4214

■ 21.4094, 29.2670,
47.7014

■ 59.7301, 55.9061,
50.8235

■ 20.8104, 28.4395,
47.5732

■ 66.3676, 59.9576,
51.2557

■ 20.8104, 28.4394,
47.5732

■ 67.8915, 61.3816,
51.4502

■ 68.3275, 62.2537,
51.5956

Harmonies

Analogous

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



31.3810, 38.0030, 41.3051



31.9785, 38.0030, 48.8299



33.6740, 38.0030, 54.9064

Triad

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



31.9785, 38.0030, 48.8299



40.5782, 38.0030, 48.9726



36.1465, 38.0030, 28.7291

Complementary

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



31.9785, 38.0030, 48.8299



30.8401, 27.7127, 23.4633

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.



38.6831, 38.0030, 30.2784



31.9785, 38.0030, 48.8299



41.3151, 38.0030, 41.4526

Square

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



31.9785, 38.0030, 48.8299



38.6365, 38.0030, 54.9955



40.6060, 38.0030, 34.7271



33.7166, 38.0030, 30.2185

Rectangle

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



31.9785, 38.0030, 48.8299



35.2407, 38.0030, 57.0005



40.6060, 38.0030, 34.7271



37.0153, 38.0030, 28.9089

Sweetspot

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



31.9796, 38.0045, 48.8308



71.4478, 78.0507, 89.5942



29.0502, 38.7285, 27.5604



15.2137, 16.7184, 19.3474



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.9796, 38.0045, 48.8308



54.5263, 66.4416, 88.2453



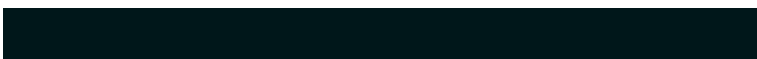
27.3706, 28.7864, 47.2944



8.6605, 9.4671, 10.8772



14.5546, 19.9097, 33.2128



0.4807, 0.6720, 1.0526

Inverse Universe

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



33.9242, 27.6820, 43.6012



58.6788, 44.9010, 76.9648



34.8843, 35.8009, 24.8113



8.8086, 8.6301, 10.4903



17.5812, 8.5500, 24.0181



0.5647, 0.2736, 0.8163

Previews

White Background



This preview shows how the XYZ color 31.9785, 38.0030, 48.8299 looks on a white background.

Color Contrast Check

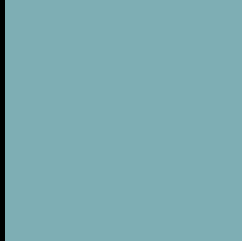
Large Text (above 18pt) WCAG AA × Fail

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 31.9785, 38.0030, 48.8299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

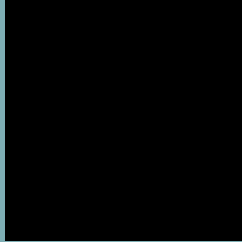
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9785, 38.0030, 48.8299

Background



This preview shows how black text looks on a background with the XYZ color 31.9785, 38.0030, 48.8299.



This preview shows how white text looks on a background with the XYZ color 31.9785, 38.0030,

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

31.9785, 38.0030, 48.8299

Protanopia

36.6413, 37.7139, 45.3927

Deuteranopia

38.5257, 37.7929, 50.0640



Tritanopia

32.8153, 38.0642, 52.6313

Trichromacy



Original Color

31.9785, 38.0030, 48.8299

Protanomaly

34.6016, 37.7192, 46.5311

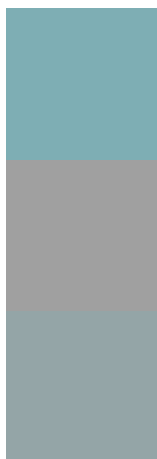
Deuteranomaly

35.7900, 37.7178, 49.6499

Tritanomaly

32.3477, 37.8599, 50.9502

Monochromacy



Original Color

31.9785, 38.0030, 48.8299

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6429, 35.9962, 41.7867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9785, 38.0030, 48.8299 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(126, 174, 180)` looks like.

```
.text, #text, p{  
    color:rgb(126, 174, 180)  
}
```

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(126, 174, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 174, 180) }
```

Border

The CSS property to change the border of an element to XYZ 31.9785, 38.0030, 48.8299 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(126, 174, 180) }
```


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

```
.border{ border-color:rgb(126, 174, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 174, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 174, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 174, 180);  
box-shadow:4px 4px 4px 4px rgb(126, 174,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9785, 38.0030, 48.8299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 174, 180) }
```

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

```
.background{ background-color: rgb(126,  
174, 180) }
```

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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