

Converting Colors

XYZ(32.8122, 38.2509, 51.0018)

Have a look what the booklet for
XYZ(32.8122, 38.2509, 51.0018)
contains.

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Color

**XYZ(32.8410, 38.3999,
51.0284)**

Conversions

Conversions Part 1

Format	Color
Hex	81AEB8
RGB	129, 174, 184
RGB Percent	51%, 68%, 72%
CMY	0.4941, 0.3176, 0.2784
CMYK	0.30, 0.05, 0.00, 0.28
HSL	191°, 28%, 61%
HSV	191°, 30%, 72%
XYZ	32.8410, 38.3999, 51.0284
YIQ	161.6850, -30.0300, -6.4300

Conversions

Conversions Part 2

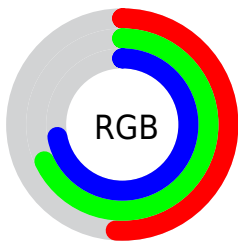
Format	Color
RYB	129, 154, 184
Decimal	8498872
CIELab	68.31, -12.57, -9.98
CIELCh	68, 16.049, 218.458
Yxy	38.3999, 0.2686, 0.3141
Android (android.graphics.Color)	4286688952 (0xFF81AEB8)
YUV	161.6850, 11.0013, -28.6647
Hunter-Lab	61.9677, -13.8437, -5.4461

Details

The XYZ color **32.8410, 38.3999, 51.0284** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.9627, 30.2408, 24.8694**, and the grayscale version is **34.1565, 35.9353, 39.1335**.

A 20% lighter version of the original color is **63.5534, 72.9522, 93.1696**, and **14.1168, 17.1355, 24.0362** is the 20% darker color. If you saturate the color by 10%, you get **29.6559, 35.8115, 50.6973**, and if you desaturate by 10%, it is **36.5478, 41.2830, 51.3902**.

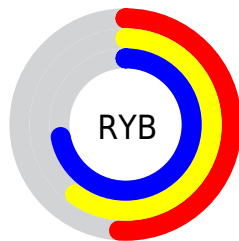
Distribution



Red (51%)

Green (68%)

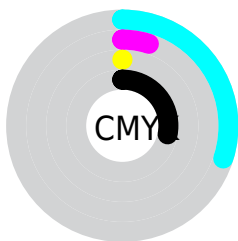
Blue (72%)



Red (51%)

Yellow (60%)

Blue (72%)

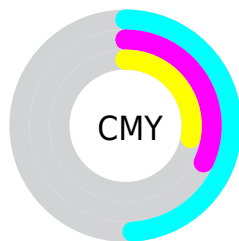


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (32%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8410, 38.3999, 51.0284 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 32.8410, 38.3999, 51.0284 by changing the saturation by 10% instead.

■ 32.8410, 38.3999,
51.0284

■ 32.8410, 38.3999,
51.0284

306.6103,
339.3323, 407.5238

■ 22.1633, 26.2932,
35.8543

■ 63.4836, 72.7207,
93.1087

■ 14.0942, 17.0431,
24.0329

■ 84.1791, 95.7035,
120.8520

■ 8.2684, 10.2652,
15.1456

■ 108.9447,
123.0806, 153.6221

■ 4.3204, 5.5752,
8.7739

138.1457,
155.2362, 191.8375

■ 1.8849, 2.5885,
4.4992

172.1474,
192.5548, 235.9169

■ 0.5681, 0.9209,
1.9030

211.3151,

■ 0.0000, 0.0000,

235.4208, 286.2787

0.4946

256.0143,
284.2185, 343.3415

■ 0.0000, 0.0000,
0.0000

■ 32.8410, 38.3999,
51.0284

■ 32.8410, 38.3999,
51.0284

■ 29.6559, 35.8115,
50.6973

■ 36.5478, 41.2830,
51.3902

■ 26.9620, 33.4990,
50.3929

■ 40.7979, 44.4694,
51.7812

■ 24.7306, 31.4485,
50.1148

■ 45.6159, 47.9728,
52.2035

■ 22.9288, 29.6429,
49.8612

■ 51.0240, 51.8047,
52.6581

■ 21.5191, 28.0626,
49.6305

■ 57.0429, 55.9761,
53.1460

■ 20.4575, 26.6848,
49.4205

■ 63.6925, 60.4974,
53.6682

■ 19.6550, 25.4634,
49.2270

■ 69.9529, 64.8429,
54.1770

■ 19.6467, 25.4504,
49.2250

■ 70.7230, 66.3831,
54.4337

■ 71.5101, 67.9572,
54.6961

Harmonies

Analogous

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



31.9211, 38.3999, 43.8809



32.8410, 38.3999, 51.0284



34.7511, 38.3999, 56.0596

Triad

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



32.8410, 38.3999, 51.0284



41.1828, 38.3999, 47.1047



35.7914, 38.3999, 29.5549

Complementary

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



32.8410, 38.3999, 51.0284



32.9627, 30.2408, 24.8694

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.



38.3024, 38.3999, 30.2078



32.8410, 38.3999, 51.0284



41.4926, 38.3999, 39.8071

Square

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



32.8410, 38.3999, 51.0284



39.5886, 38.3999, 53.6194



40.4168, 38.3999, 33.7762



33.5725, 38.3999, 31.8775

Rectangle

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



32.8410, 38.3999, 51.0284



36.3680, 38.3999, 57.2378



40.4168, 38.3999, 33.7762



36.6283, 38.3999, 29.4395

Sweetspot

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



32.8422, 38.4014, 51.0293



74.5668, 81.0619, 93.9210



30.7940, 40.7886, 30.3588



15.8187, 17.2861, 20.2244



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.



32.8422, 38.4014, 51.0293



55.5570, 66.4042, 92.0937



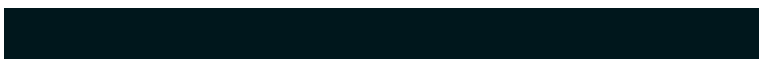
28.1914, 29.0999, 49.4790



9.1241, 9.9255, 11.5143



13.5875, 17.6346, 33.9408



0.5156, 0.6949, 1.2087

Inverse Universe

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



35.2583, 28.9477, 43.7753



60.7479, 46.7716, 76.3568



37.3060, 38.9275, 26.3172



9.3090, 9.1340, 10.9746



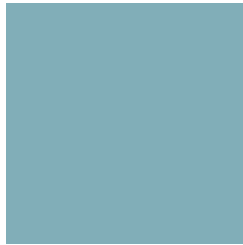
17.4720, 8.5626, 20.9042



0.6344, 0.3092, 0.8343

Previews

White Background



This preview shows how the XYZ color 32.8410, 38.3999, 51.0284 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 32.8410, 38.3999, 51.0284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

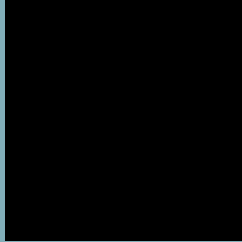
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8410, 38.3999, 51.0284

Background



This preview shows how black text looks on a background with the XYZ color 32.8410, 38.3999, 51.0284.



This preview shows how white text looks on a background with the XYZ color 32.8410, 38.3999,

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

32.8410, 38.3999, 51.0284

Protanopia

37.0081, 38.1240, 47.5276

Deuteranopia

39.1236, 38.3128, 52.3468



Tritanopia

33.1191, 38.2208, 52.6455

Trichromacy



Original Color

32.8410, 38.3999, 51.0284

Protanomaly

35.1897, 37.9760, 48.6554

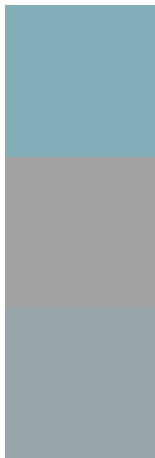
Deuteranomaly

36.4038, 37.9857, 51.8677

Tritanomaly

33.0124, 38.1781, 52.0836

Monochromacy



Original Color

32.8410, 38.3999, 51.0284

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.4696, 36.6587, 43.3420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8410, 38.3999, 51.0284 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(129, 174, 184)` looks like.

```
.text, #text, p{  
    color:rgb(129, 174, 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(129, 174, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 174, 184) }
```

Border

The CSS property to change the border of an element to XYZ 32.8410, 38.3999, 51.0284 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(129, 174, 184) }
```


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

```
.border{ border-color:rgb(129, 174, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 174, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 174, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 174, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 174,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8410, 38.3999, 51.0284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 174, 184) }
```

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

```
.background{ background-color: rgb(129,  
174, 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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