

Converting Colors

XYZ(33.8221, 32.0926, 31.6009)

Have a look what the booklet for
XYZ(33.8221, 32.0926, 31.6009)
contains.

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Color

**XYZ(33.8273, 32.0981,
31.6068)**

Conversions

Conversions Part 1

Format	Color
Hex	B29292
RGB	178, 146, 146
RGB Percent	70%, 57%, 57%
CMY	0.3020, 0.4274, 0.4274
CMYK	0.00, 0.18, 0.18, 0.30
HSL	0°, 17%, 64%
HSV	0°, 18%, 70%
XYZ	33.8273, 32.0981, 31.6068
YIQ	155.5680, 19.0720, 6.7840

Conversions

Conversions Part 2

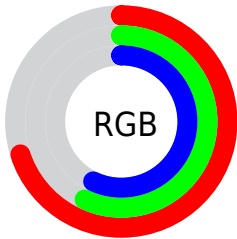
Format	Color
RYB	178, 146, 146
Decimal	11702930
CIELab	63.42, 11.99, 4.51
CIElCh	63, 12.811, 20.625
Yxy	32.0981, 0.3468, 0.3291
Android (android.graphics.Color)	4289893010 (0xFFB29292)
YUV	155.5680, -4.7170, 19.6729
Hunter-Lab	56.6552, 7.4310, 6.5819

Details

The XYZ color **33.8273, 32.0981, 31.6068** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.8100, 41.1651, 48.1780**, and the grayscale version is **31.4227, 33.0591, 36.0014**.

A 20% lighter version of the original color is **65.0113, 62.9711, 63.3718**, and **14.6610, 13.3889, 12.8779** is the 20% darker color. If you saturate the color by 10%, you get **30.0159, 26.5211, 24.0286**, and if you desaturate by 10%, it is **38.2833, 38.6185, 40.4643**.

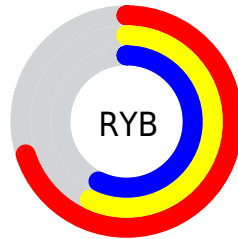
Distribution



Red (70%)

Green (57%)

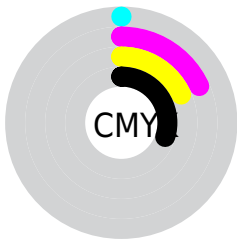
Blue (57%)



Red (70%)

Yellow (57%)

Blue (57%)

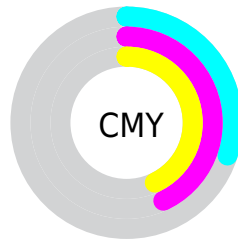


Cyan (0%)

Magenta (18%)

Yellow (18%)

Black (30%)



Cyan (30%)


Magenta (43%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8273, 32.0981, 31.6068 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 33.8273, 32.0981, 31.6068 by changing the saturation by 10% instead.


 33.8273, 32.0981,
31.6068


 33.8273, 32.0981,
31.6068


310.9608,
311.5659, 323.7615

 22.9232, 21.4364,
20.7990


 65.0111, 62.9648,
63.2849

 14.6572, 13.4434,
12.7874


 86.0215, 83.9387,
84.9923

 8.6639, 7.7346,
7.1533


111.1314,
109.1188, 111.1700

 4.5780, 3.9256,
3.4782

140.7062,
138.8895, 142.2365

 2.0340, 1.6320,
1.3437

175.1111,
173.6351, 178.6103

 0.6530, 0.3790,
0.0972

214.7117,

 0.0000, 0.0000,

213.7401, 220.7101

0.0000

259.8731,
259.5889, 268.9543

■ 33.8273, 32.0981,
31.6068

■ 33.8273, 32.0981,
31.6068

■ 30.0159, 26.5211,
24.0286

■ 38.2833, 38.6185,
40.4643

■ 26.8167, 21.8397,
17.6687

■ 43.4089, 46.1186,
50.6541

■ 24.1986, 18.0087,
12.4641

■ 49.2310, 54.6379,
62.2288

■ 22.1267, 14.9770,
8.3456

■ 55.7745, 64.2127,
75.2377

■ 20.5626, 12.6881,
5.2363

■ 63.0628, 74.8772,
89.7273

■ 19.4624, 11.0781,
3.0495

■ 71.1183, 86.6644,
105.7423

■ 18.7752, 10.0725,
1.6837

■ 72.1702, 88.2050,
107.8292

■ 18.4192, 9.5515,
0.9762

■ 18.3604, 9.4654,
0.8593

Harmonies

Analogous

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



34.0138, 32.0981, 36.5716



33.8273, 32.0981, 31.6068



32.7330, 32.0981, 27.9021

Triad

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



33.8273, 32.0981, 31.6068



27.9366, 32.0981, 29.0887



29.9538, 32.0981, 45.5480

Complementary

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



33.8273, 32.0981, 31.6068



35.8100, 41.1651, 48.1780

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.



28.3867, 32.0981, 43.0933



33.8273, 32.0981, 31.6068



27.2523, 32.0981, 33.3758

Square

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



33.8273, 32.0981, 31.6068



29.3177, 32.0981, 26.5495



27.4138, 32.0981, 38.5197



31.7307, 32.0981, 44.9568

Rectangle

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



33.8273, 32.0981, 31.6068



31.6587, 32.0981, 26.4886



27.4138, 32.0981, 38.5197



29.3861, 32.0981, 45.0434

Sweetspot

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



33.8282, 32.0996, 31.6075



71.9837, 73.7775, 78.4678



36.6752, 33.2375, 46.6022



15.8096, 16.1429, 17.1094



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.



33.8282, 32.0996, 31.6075



58.1601, 53.5499, 50.9863



36.4691, 37.3813, 32.4878



8.4965, 8.5054, 8.8464



13.1370, 6.7727, 0.6149



0.4134, 0.2131, 0.0194

Inverse Universe

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



35.8100, 41.1651, 48.1780



62.4976, 73.3910, 87.2531



32.8107, 35.1664, 47.1782



8.7426, 9.6314, 10.9046



17.1383, 25.0770, 34.0741



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 33.8273, 32.0981, 31.6068 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 33.8273, 32.0981, 31.6068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

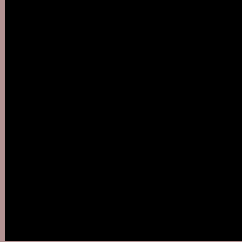
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8273, 32.0981, 31.6068

Background



This preview shows how black text looks on a background with the XYZ color 33.8273, 32.0981, 31.6068.



This preview shows how white text looks on a background with the XYZ color 33.8273, 32.0981,

31.6068.

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

33.8273, 32.0981, 31.6068

Protanopia

30.8009, 32.1526, 33.4368

Deuteranopia

32.9490, 32.3409, 31.6999



Tritanopia

34.5644, 31.9305, 35.7940

Trichromacy



Original Color

33.8273, 32.0981, 31.6068

Protanomaly

31.8482, 31.9820, 32.9283

Deuteranomaly

33.2338, 32.2538, 31.6681

Tritanomaly

34.3833, 32.1015, 34.0898

Monochromacy



Original Color

33.8273, 32.0981, 31.6068

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.2056, 32.6160, 34.3039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8273, 32.0981, 31.6068 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(178, 146, 146)` looks like.

```
.text, #text, p{  
    color:rgb(178, 146, 146)  
}
```

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(178, 146, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 146, 146) }
```

Border

The CSS property to change the border of an element to XYZ 33.8273, 32.0981, 31.6068 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(178, 146, 146) }
```


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

```
.border{ border-color:rgb(178, 146, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 146, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 146, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 146, 146);  
box-shadow:4px 4px 4px 4px rgb(178, 146,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8273, 32.0981, 31.6068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 146, 146) }
```

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

```
.background{ background-color: rgb(178,  
146, 146) }
```

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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