

Converting Colors

XYZ(33.0009, 33.6944, 20.7556)

Have a look what the booklet for
XYZ(33.0009, 33.6944, 20.7556)
contains.

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Color

**XYZ(33.1833, 33.9098,
20.7159)**

Conversions

Conversions Part 1

Format	Color
Hex	B39A72
RGB	179, 154, 114
RGB Percent	70%, 60%, 45%
CMY	0.2980, 0.3961, 0.5529
CMYK	0.00, 0.14, 0.36, 0.30
HSL	37°, 30%, 57%
HSV	37°, 36%, 70%
XYZ	33.1833, 33.9098, 20.7159
YIQ	156.9150, 27.7400, -7.1400

Conversions

Conversions Part 2

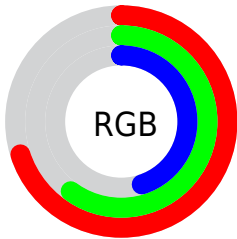
Format	Color
RYB	155, 179, 114
Decimal	11770482
CIELab	64.89, 3.40, 24.44
CIElCh	65, 24.673, 82.071
Yxy	33.9098, 0.3779, 0.3862
Android (android.graphics.Color)	4289960562 (0xFFB39A72)
YUV	156.9150, -21.1571, 19.3685
Hunter-Lab	58.2321, -0.1888, 19.6702

Details

The XYZ color **33.1833, 33.9098, 20.7159** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.3085, 25.2966, 46.2495**, and the grayscale version is **32.0937, 33.7651, 36.7702**.

A 20% lighter version of the original color is **64.0309, 65.6978, 45.3825**, and **14.2618, 14.4421, 7.0370** is the 20% darker color. If you saturate the color by 10%, you get **31.1590, 31.3352, 15.4969**, and if you desaturate by 10%, it is **35.4739, 36.6976, 27.0082**.

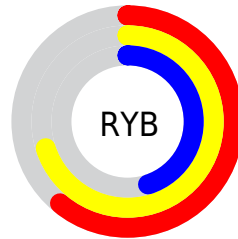
Distribution



Red (70%)

Green (60%)

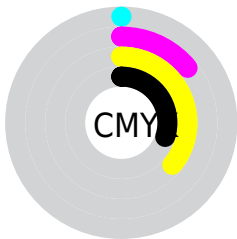
Blue (45%)



Red (61%)

Yellow (70%)

Blue (45%)

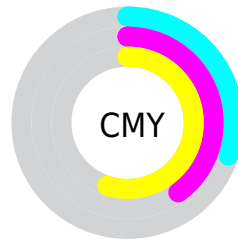


Cyan (0%)

Magenta (14%)

Yellow (36%)

Black (30%)



Cyan (30%)


Magenta (40%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1833, 33.9098, 20.7159 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 33.1833, 33.9098, 20.7159 by changing the saturation by 10% instead.


 33.1833, 33.9098,
20.7159


 33.1833, 33.9098,
20.7159


308.1253,
319.7297, 268.4961

 22.4268, 22.8243,
12.7273


 64.0144, 65.7934,
45.4889

 14.2892, 14.4638,
7.1125

 84.8196, 87.3603,
63.1103

 8.4051, 8.4440,
3.4530

 109.7052,
113.1897, 84.7797

 4.4092, 4.3803,
1.3304

 139.0365,
143.6662, 110.9157

 1.9362, 1.8885,
0.0865

173.1788,
179.1740, 141.9368

 0.5977, 0.5415,
0.0000

212.4974,

 0.0000, 0.0000,

220.0976, 178.2615

0.0000

257.3578,
266.8213, 220.3084

■ 33.1833, 33.9098,
20.7159

■ 33.1833, 33.9098,
20.7159

■ 31.1590, 31.3352,
15.4969

■ 35.4739, 36.6976,
27.0082

■ 29.3857, 28.9623,
11.2871

■ 38.0400, 39.7004,
34.4285

■ 27.8501, 26.7853,
8.0191

■ 40.8935, 42.9257,
43.0304

■ 26.5367, 24.7960,
5.6158

■ 44.0447, 46.3793,
52.8633

■ 25.4275, 22.9855,
3.9882

■ 47.5034, 50.0667,
63.9740

■ 24.4987, 21.3423,
3.0178

■ 51.2789, 53.9931,
76.4065

■ 24.1842, 20.7711,
2.7346

■ 55.3801, 58.1637,
90.2031

■ 59.4589, 62.4406,
103.5262

■ 61.1852, 65.8933,
104.1016

Harmonies

Analogous

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



36.6216, 33.9098, 23.5221



33.1833, 33.9098, 20.7159



29.7270, 33.9098, 21.5770

Triad

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



33.1833, 33.9098, 20.7159



26.2962, 33.9098, 44.7855



37.9340, 33.9098, 50.3242

Complementary

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



33.1833, 33.9098, 20.7159



24.3085, 25.2966, 46.2495

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.



34.8702, 33.9098, 58.2213



33.1833, 33.9098, 20.7159



28.2048, 33.9098, 54.6356

Square

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



33.1833, 33.9098, 20.7159



25.9174, 33.9098, 34.2844



31.2956, 33.9098, 59.9294



39.4931, 33.9098, 39.6915

Rectangle

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



33.1833, 33.9098, 20.7159



27.8596, 33.9098, 24.2027



31.2956, 33.9098, 59.9294



37.0357, 33.9098, 53.4617

Sweetspot

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



33.1842, 33.9114, 20.7166



70.6828, 74.0129, 69.2877



29.3416, 23.5122, 27.8032



15.5094, 16.2273, 14.8984



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.



33.1842, 33.9114, 20.7166



56.3434, 56.8199, 29.0985



36.2808, 42.2826, 22.1692



8.9171, 9.3468, 8.9867



17.1541, 14.8067, 1.9539



0.5941, 0.5747, 0.0796

Inverse Universe

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



24.3085, 25.2966, 46.2495



37.9980, 39.0256, 81.9112



21.9696, 19.3187, 45.2189



8.3010, 8.7481, 10.7574



7.3054, 5.4111, 30.7964



0.2873, 0.2852, 0.9881

Previews

White Background



This preview shows how the XYZ color 33.1833, 33.9098, 20.7159 looks on a white background.

Color Contrast Check

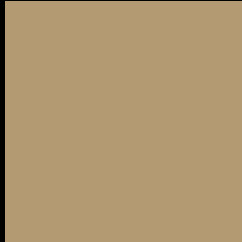
Large Text (above 18pt) WCAG AA × Fail

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 33.1833, 33.9098, 20.7159 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 33.1833, 33.9098, 20.7159

Background



This preview shows how black text looks on a background with the XYZ color 33.1833, 33.9098, 20.7159.



This preview shows how white text looks on a background with the XYZ color 33.1833, 33.9098,

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

33.1833, 33.9098, 20.7159

Protanopia

31.5137, 33.7868, 21.0802

Deuteranopia

34.6546, 33.9358, 20.9434



Tritanopia

36.7022, 33.9082, 37.8682

Trichromacy



Original Color

33.1833, 33.9098, 20.7159

Protanomaly

32.2166, 33.8990, 21.0648

Deuteranomaly

34.0899, 33.8846, 20.9633

Tritanomaly

35.1557, 33.7409, 30.6464

Monochromacy



Original Color

33.1833, 33.9098, 20.7159

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.2132, 33.6994, 30.0061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1833, 33.9098, 20.7159 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(179, 154, 114)` looks like.

```
.text, #text, p{  
    color:rgb(179, 154, 114)  
}
```

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(179, 154, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 154, 114) }
```

Border

The CSS property to change the border of an element to XYZ 33.1833, 33.9098, 20.7159 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(179, 154, 114) }
```


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

```
.border{ border-color:rgb(179, 154, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 154, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 154, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 154, 114);  
box-shadow:4px 4px 4px 4px rgb(179, 154,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1833, 33.9098, 20.7159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 154, 114) }
```

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

```
.background{ background-color: rgb(179,  
154, 114) }
```

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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