

Converting Colors

XYZ(34.0817, 31.8520, 21.1650)

Have a look what the booklet for
XYZ(34.0817, 31.8520, 21.1650)
contains.

XYZ(34.0196, 31.7481, 21.1646)	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(34.0196, 31.7481,
21.1646)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8F75
RGB	189, 143, 117
RGB Percent	74%, 56%, 46%
CMY	0.2588, 0.4392, 0.5412
CMYK	0.00, 0.24, 0.38, 0.26
HSL	22°, 35%, 60%
HSV	22°, 38%, 74%
XYZ	34.0196, 31.7481, 21.1646
YIQ	153.7900, 35.7620, 1.6660

Conversions

Conversions Part 2

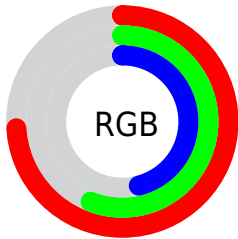
Format	Color
RYB	189, 158, 117
Decimal	12423029
CIELab	63.13, 13.91, 20.58
CIElCh	63, 24.842, 55.952
Yxy	31.7481, 0.3913, 0.3652
Android (android.graphics.Color)	4290613109 (0xFFBD8F75)
YUV	153.7900, -18.1375, 30.8792
Hunter-Lab	56.3455, 9.1681, 17.1712

Details

The XYZ color **34.0196, 31.7481, 21.1646** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **29.6181, 33.6491, 53.0779**, and the grayscale version is **30.6898, 32.2880, 35.1617**.

A 20% lighter version of the original color is **65.4855, 62.5712, 46.1621**, and **14.8200, 13.3267, 7.4214** is the 20% darker color. If you saturate the color by 10%, you get **31.3027, 27.9167, 15.3190**, and if you desaturate by 10%, it is **37.1576, 36.0625, 28.2581**.

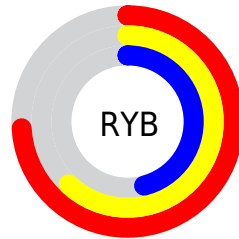
Distribution



Red (74%)

Green (56%)

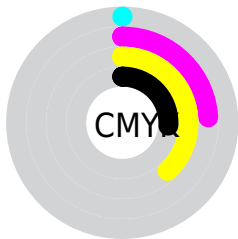
Blue (46%)



Red (74%)

Yellow (62%)

Blue (46%)

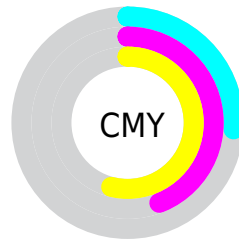


Cyan (0%)

Magenta (24%)

Yellow (38%)

Black (26%)



Cyan (26%)


Magenta (44%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0196, 31.7481, 21.1646 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 34.0196, 31.7481, 21.1646 by changing the saturation by 10% instead.


 34.0196, 31.7481,
21.1646


 34.0196, 31.7481,
21.1646


311.8038,
309.9702, 270.9617


 23.0716, 21.1692,
13.0520


 65.3082, 62.4160,
46.2457

 14.7674, 13.2477,
7.3332


 86.3796, 83.2737,
64.0511

 8.7415, 7.5993,
3.5897


 111.5561,
108.3265, 85.9247

 4.6287, 3.8397,
1.4031

141.2032,
137.9588, 112.2848

 2.0636, 1.5843,
0.1441

175.6861,
172.5549, 143.5500

 0.6693, 0.3470,
0.0000

215.3703,

 0.0000, 0.0000,

212.4992, 180.1388

0.0000

260.6211,
258.1762, 222.4699

■ 34.0196, 31.7481,
21.1646

■ 34.0196, 31.7481,
21.1646

■ 31.3027, 27.9167,
15.3190

■ 37.1576, 36.0625,
28.2581

■ 28.9847, 24.5459,
10.6458

■ 40.7327, 40.8721,
36.6652

■ 27.0450, 21.6185,
7.0642

■ 44.7627, 46.1943,
46.4490

■ 25.4596, 19.1139,
4.4822

■ 49.2639, 52.0441,
57.6682

■ 24.2014, 17.0096,
2.7923

■ 54.2515, 58.4361,
70.3779

■ 23.2314, 15.2776,
1.8279

■ 59.7404, 65.3841,
84.6304

■ 23.0692, 14.9847,
1.6765

■ 65.7443, 72.9014,
100.4753

■ 70.0776, 80.1214,
106.3792

■ 73.7431, 87.4525,
107.6011

Harmonies

Analogous

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



36.5006, 31.7481, 26.9460



34.0196, 31.7481, 21.1646



30.6434, 31.7481, 18.9469

Triad

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



34.0196, 31.7481, 21.1646



24.0651, 31.7481, 33.2524



33.1538, 31.7481, 54.4778

Complementary

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



34.0196, 31.7481, 21.1646



29.6181, 33.6491, 53.0779

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.



29.7126, 31.7481, 57.0315



34.0196, 31.7481, 21.1646



24.6271, 31.7481, 43.5075

Square

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



34.0196, 31.7481, 21.1646



25.0358, 31.7481, 25.0375



26.6327, 31.7481, 52.6926



35.9748, 31.7481, 46.2546

Rectangle

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



34.0196, 31.7481, 21.1646



28.3996, 31.7481, 19.4060



26.6327, 31.7481, 52.6926



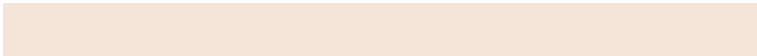
32.0241, 31.7481, 56.0873

Sweetspot

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



34.0204, 31.7496, 21.1652



77.8574, 79.6974, 77.5215



34.0305, 26.2148, 38.2939



16.5299, 16.8579, 16.1518



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.0204, 31.7496, 21.1652



56.6817, 50.8822, 28.7325



40.1574, 44.0237, 23.2109



9.8047, 10.0853, 10.0065



15.5884, 10.2155, 1.1502



0.6734, 0.5257, 0.0660

Inverse Universe

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



29.6181, 33.6491, 53.0779



47.6203, 54.7487, 94.2839



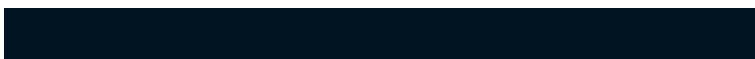
24.2148, 22.8426, 51.2769



9.5109, 10.2141, 12.1424



10.8338, 11.7793, 34.0955



0.4843, 0.5813, 1.3555

Previews

White Background



This preview shows how the XYZ color 34.0196, 31.7481, 21.1646 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 34.0196, 31.7481, 21.1646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

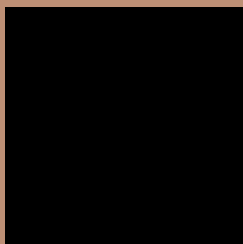
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0196, 31.7481, 21.1646

Background



This preview shows how black text looks on a background with the XYZ color 34.0196, 31.7481, 21.1646.



This preview shows how white text looks on a background with the XYZ color 34.0196, 31.7481,

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

34.0196, 31.7481, 21.1646

Protanopia

30.0083, 31.9741, 23.0024

Deuteranopia

32.4085, 31.8317, 20.9590



Tritanopia

36.3957, 31.8416, 32.6616

Trichromacy



Original Color

34.0196, 31.7481, 21.1646

Protanomaly

31.1509, 31.6216, 22.2311

Deuteranomaly

32.9597, 31.8860, 20.9404

Tritanomaly

35.3793, 31.6387, 27.9091

Monochromacy



Original Color

34.0196, 31.7481, 21.1646

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.6504, 31.9513, 29.6984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0196, 31.7481, 21.1646 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(189, 143, 117)` looks like.

```
.text, #text, p{  
    color:rgb(189, 143, 117)  
}
```

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(189, 143, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 143, 117) }
```

Border

The CSS property to change the border of an element to XYZ 34.0196, 31.7481, 21.1646 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(189, 143, 117) }
```


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

```
.border{ border-color:rgb(189, 143, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 143, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 143, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 143, 117);  
box-shadow:4px 4px 4px 4px rgb(189, 143,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0196, 31.7481, 21.1646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 143, 117) }
```

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

```
.background{ background-color: rgb(189,  
143, 117) }
```

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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