

Converting Colors

XYZ(31.0315, 34.8064, 21.9124)

Have a look what the booklet for
XYZ(31.0315, 34.8064, 21.9124)
contains.

XYZ(31.0315, 34.8064, 21.9124)	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(31.0315, 34.8064,
21.9124)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A275
RGB	162, 162, 117
RGB Percent	64%, 64%, 46%
CMY	0.3647, 0.3647, 0.5412
CMYK	0.00, 0.00, 0.28, 0.36
HSL	60°, 19%, 55%
HSV	60°, 28%, 64%
XYZ	31.0315, 34.8064, 21.9124
YIQ	156.8700, 14.4450, -13.9950

Conversions

Conversions Part 2

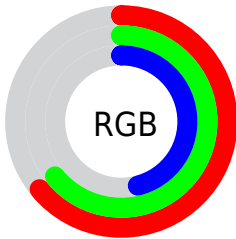
Format	Color
RYB	117, 162, 117
Decimal	10658421
CIELab	65.60, -7.42, 23.48
CIElCh	66, 24.628, 107.544
Yxy	34.8064, 0.3536, 0.3967
Android (android.graphics.Color)	4288848501 (0xFFA2A275)
YUV	156.8700, -19.6559, 4.4990
Hunter-Lab	58.9969, -9.3564, 19.2766

Details

The XYZ color **31.0315, 34.8064, 21.9124** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.2203, 19.1140, 36.8081**, and the grayscale version is **32.0711, 33.7413, 36.7443**.

A 20% lighter version of the original color is **60.5896, 67.2420, 47.3217**, and **13.0497, 14.8842, 7.6540** is the 20% darker color. If you saturate the color by 10%, you get **30.1603, 34.4591, 17.3226**, and if you desaturate by 10%, it is **32.0693, 35.2228, 27.3720**.

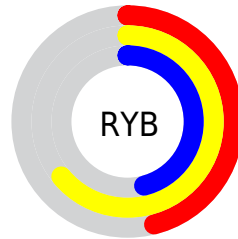
Distribution



Red (64%)

Green (64%)

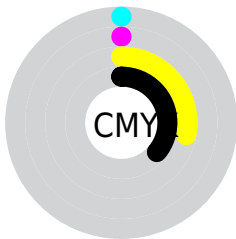
Blue (46%)



Red (46%)

Yellow (64%)

Blue (46%)

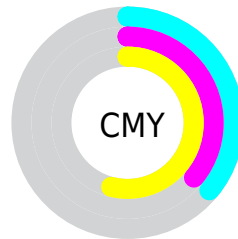


Cyan (0%)

Magenta (0%)

Yellow (28%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0315, 34.8064, 21.9124 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 31.0315, 34.8064, 21.9124 by changing the saturation by 10% instead.

■ 31.0315, 34.8064,
21.9124

■ 31.0315, 34.8064,
21.9124

298.5077,
323.7130, 275.0270

■ 20.7748, 23.5138,
13.5948

■ 60.6652, 67.1857,
47.5015

■ 13.0710, 14.9733,
7.7039

■ 80.7728, 89.0413,
65.6101

■ 7.5548, 8.8007,
3.8210

■ 104.8948,
115.1865, 87.8195

■ 3.8608, 4.6114,
1.5277

133.3966,
146.0059, 114.5482

■ 1.6237, 2.0211,
0.2384

166.6434,
181.8839, 146.2148

■ 0.4078, 0.6197,
0.0000

205.0006,

■ 0.0000, 0.0000,

223.2048, 183.2378

0.0000

248.8336,
270.3530, 226.0357

■ 31.0315, 34.8064,
21.9124

■ 31.0315, 34.8064,
21.9124

■ 30.1603, 34.4591,
17.3226

■ 32.0693, 35.2228,
27.3720

■ 29.4447, 34.1728,
13.5555

■ 33.2790, 35.7067,
33.7406

■ 28.8762, 33.9454,
10.5633

■ 34.6689, 36.2627,
41.0578

■ 28.4446, 33.7727,
8.2921

■ 36.2458, 36.8935,
49.3603

■ 28.1383, 33.6502,
6.6811

■ 38.0164, 37.6017,
58.6825

■ 27.9441, 33.5724,
5.6598

■ 39.9869, 38.3900,
69.0576

■ 27.8390, 33.5304,
5.1081

■ 42.1633, 39.2606,
80.5169

■ 27.8192, 33.5224,
5.0043

■ 44.5514, 40.2159,
93.0908

■ 45.8741, 40.7450,
100.0545

Harmonies

Analogous

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



34.6041, 34.8064, 21.5966



31.0315, 34.8064, 21.9124



28.2154, 34.8064, 25.9883

Triad

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



31.0315, 34.8064, 21.9124



28.6096, 34.8064, 54.5607



40.3429, 34.8064, 42.3553

Complementary

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



31.0315, 34.8064, 21.9124



20.2203, 19.1140, 36.8081

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.



38.4792, 34.8064, 52.9833



31.0315, 34.8064, 21.9124



31.6060, 34.8064, 60.8440

Square

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



31.0315, 34.8064, 21.9124



26.8887, 34.8064, 44.2199



35.2218, 34.8064, 60.2192



40.1610, 34.8064, 32.2098

Rectangle

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



31.0315, 34.8064, 21.9124



27.0665, 34.8064, 30.7929



35.2218, 34.8064, 60.2192



39.9296, 34.8064, 46.0203

Sweetspot

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



31.0324, 34.8080, 21.9131



60.3247, 64.7844, 60.7879



24.4736, 21.6892, 19.7266



13.4728, 14.5199, 13.2532



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.0324, 34.8080, 21.9131



55.3727, 62.8035, 34.7185



26.8637, 32.6589, 21.7180



7.6494, 8.2373, 7.5669



21.9154, 26.4083, 3.9422



0.4605, 0.5549, 0.0828

Inverse Universe

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



20.2203, 19.1140, 36.8081



32.6067, 29.7581, 66.0815



23.6151, 20.8641, 36.9669



6.7005, 6.8600, 8.8740



5.1380, 2.0552, 27.0557



0.1080, 0.0432, 0.5685

Previews

White Background



This preview shows how the XYZ color 31.0315, 34.8064, 21.9124 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 31.0315, 34.8064, 21.9124 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

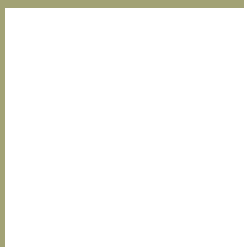
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0315, 34.8064, 21.9124

Background



This preview shows how black text looks on a background with the XYZ color 31.0315, 34.8064, 21.9124.



This preview shows how white text looks on a background with the XYZ color 31.0315, 34.8064,

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

31.0315, 34.8064, 21.9124

Protanopia

32.3451, 34.7152, 21.5189

Deuteranopia

35.4600, 34.8057, 22.3020



Tritanopia

34.9377, 34.5947, 41.8818

Trichromacy



Original Color

31.0315, 34.8064, 21.9124

Protanomaly

31.8716, 34.7274, 21.5462

Deuteranomaly

33.7489, 34.6686, 22.0525

Tritanomaly

33.3776, 34.7306, 33.3783

Monochromacy



Original Color

31.0315, 34.8064, 21.9124

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.5787, 34.1202, 30.5127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0315, 34.8064, 21.9124 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(162, 162, 117)` looks like.

```
.text, #text, p{  
    color:rgb(162, 162, 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(162, 162, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 162, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.0315, 34.8064, 21.9124 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(162, 162, 117) }
```


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

```
.border{ border-color:rgb(162, 162, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 162, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 162, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 162, 117);  
box-shadow:4px 4px 4px 4px rgb(162, 162,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0315, 34.8064, 21.9124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 162, 117) }
```

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

```
.background{ background-color: rgb(162,  
162, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor