

Converting Colors

XYZ(35.1194, 31.5390, 12.8927)

Have a look what the booklet for
XYZ(35.1194, 31.5390, 12.8927)
contains.

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Color

**XYZ(35.2294, 31.6777,
12.8519)**

Conversions

Conversions Part 1

Format	Color
Hex	CA8B55
RGB	202, 139, 85
RGB Percent	79%, 55%, 33%
CMY	0.2078, 0.4549, 0.6667
CMYK	0.00, 0.31, 0.58, 0.21
HSL	28°, 52%, 56%
HSV	28°, 58%, 79%
XYZ	35.2294, 31.6777, 12.8519
YIQ	151.6810, 54.8820, -3.4380

Conversions

Conversions Part 2

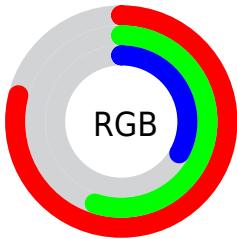
Format	Color
RYB	202, 185, 85
Decimal	13273941
CIELab	63.08, 18.32, 38.23
CIELCh	63, 42.393, 64.396
Yxy	31.6777, 0.4417, 0.3972
Android (android.graphics.Color)	4291464021 (0xFFCA8B55)
YUV	151.6810, -32.8737, 44.1298
Hunter-Lab	56.2829, 13.2340, 25.8595

Details

The XYZ color **35.2294, 31.6777, 12.8519** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **24.9962, 27.3739, 59.8430**, and the grayscale version is **29.8288, 31.3822, 34.1753**.

A 20% lighter version of the original color is **64.7539, 61.1775, 31.6881**, and **15.4079, 13.2076, 3.4875** is the 20% darker color. If you saturate the color by 10%, you get **33.0415, 28.4080, 8.7128**, and if you desaturate by 10%, it is **37.8046, 35.3555, 18.2507**.

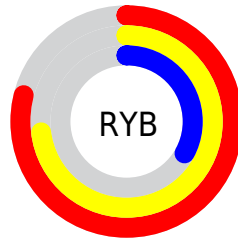
Distribution



Red (79%)

Green (55%)

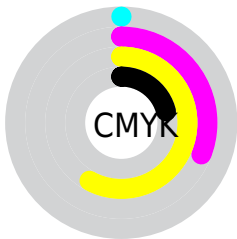
Blue (33%)



Red (79%)

Yellow (73%)

Blue (33%)

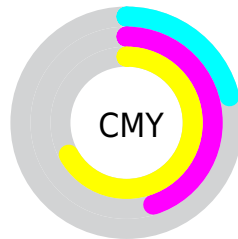


Cyan (0%)

Magenta (31%)

Yellow (58%)

Black (21%)



Cyan (21%)


Magenta (45%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2294, 31.6777, 12.8519 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 35.2294, 31.6777, 12.8519 by changing the saturation by 10% instead.


 35.2294, 31.6777,
12.8519


 35.2294, 31.6777,
12.8519


317.0700,
309.6484, 221.1407


 24.0070, 21.1154,
7.1971


 67.1727, 62.3055,
31.7247


 15.4636, 13.2084,
3.5054


 88.6242, 83.1398,
45.7799


 9.2338, 7.5722,
1.3581


 114.2162,
108.1669, 63.4722

 4.9523, 3.8225,
0.1087

 144.3140,
137.7712, 85.2203

 2.2538, 1.5748,
0.0000

 179.2829,
172.3372, 111.4426

 0.7709, 0.3405,
0.0000

219.4883,

 0.0000, 0.0000,

212.2491, 142.5578

0.0000

265.2956,
257.8914, 178.9843

■ 35.2294, 31.6777,
12.8519

■ 35.2294, 31.6777,
12.8519

■ 33.0415, 28.4080,
8.7128

■ 37.8046, 35.3555,
18.2507

■ 31.2139, 25.5247,
5.7242

■ 40.7869, 39.4526,
25.0021

■ 29.7191, 23.0102,
3.7613

■ 44.1972, 43.9852,
33.1923

■ 28.5175, 20.8408,
2.6403

■ 48.0542, 48.9674,
42.8998

■ 28.2924, 20.4273,
2.4517

■ 52.3753, 54.4124,
54.1972

■ 57.1771, 60.3327,
67.1525

■ 62.4750, 66.7405,
81.8297

■ 68.2840, 73.6474,
98.2896

■ 72.6592, 80.2809,
106.2740

Harmonies

Analogous

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



40.3630, 31.6777, 19.3215



35.2294, 31.6777, 12.8519



29.2558, 31.6777, 11.3293

Triad

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



35.2294, 31.6777, 12.8519



20.2389, 31.6777, 37.0169



36.9116, 31.6777, 68.4357

Complementary

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



35.2294, 31.6777, 12.8519



24.9962, 27.3739, 59.8430

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.



30.9780, 31.6777, 77.5458



35.2294, 31.6777, 12.8519



21.7573, 31.6777, 56.0471

Square

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



35.2294, 31.6777, 12.8519



21.0712, 31.6777, 22.3718



25.5099, 31.6777, 72.4039



41.4189, 31.6777, 50.3483

Rectangle

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



35.2294, 31.6777, 12.8519



25.7027, 31.6777, 12.7040



25.5099, 31.6777, 72.4039



34.9915, 31.6777, 72.8751

Sweetspot

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



35.2302, 31.6793, 12.8525



81.8404, 83.5176, 73.8632



33.0584, 21.2348, 30.9370



17.2168, 17.4927, 15.0394



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.2302, 31.6793, 12.8525



54.9417, 46.5482, 13.0179



45.7704, 52.7597, 16.3659



11.6319, 12.0528, 11.7928



18.2931, 13.3191, 1.6067



1.0193, 0.8384, 0.1081

Inverse Universe

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



24.9962, 27.3739, 59.8430



35.9388, 38.5138, 100.1475



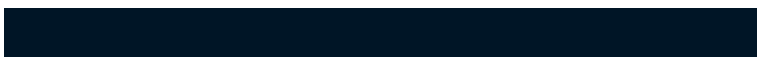
18.1354, 13.6524, 57.5561



11.0937, 11.8278, 14.2687



10.4526, 9.9292, 37.3219



0.6147, 0.6631, 1.9505

Previews

White Background



This preview shows how the XYZ color 35.2294, 31.6777, 12.8519 looks on a white background.

Color Contrast Check

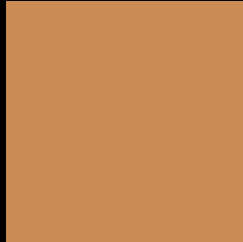
Large Text (above 18pt) WCAG AA × Fail

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 35.2294, 31.6777, 12.8519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

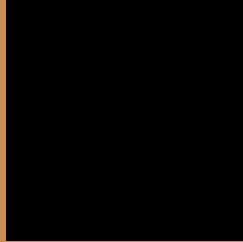
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.2294, 31.6777, 12.8519

Background



This preview shows how black text looks on a background with the XYZ color 35.2294, 31.6777, 12.8519.



This preview shows how white text looks on a background with the XYZ color 35.2294, 31.6777,

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

35.2294, 31.6777, 12.8519

Protanopia

29.3851, 31.8455, 14.2709

Deuteranopia

32.3337, 31.7471, 12.6072



Tritanopia

38.5873, 31.5773, 29.6524

Trichromacy



Original Color

35.2294, 31.6777, 12.8519

Protanomaly

31.1737, 31.5877, 13.6865

Deuteranomaly

33.1609, 31.4915, 12.7182

Tritanomaly

37.2920, 31.6876, 22.2400

Monochromacy



Original Color

35.2294, 31.6777, 12.8519

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.9076, 30.9720, 24.7713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2294, 31.6777, 12.8519 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(202, 139, 85)` looks like.

```
.text, #text, p{  
    color:rgb(202, 139, 85)  
}
```

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(202, 139, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 139, 85) }
```

Border

The CSS property to change the border of an element to XYZ 35.2294, 31.6777, 12.8519 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(202, 139, 85) }
```


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

```
.border{ border-color:rgb(202, 139, 85) }
```

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

Here you see how a box with a 4 pixel rgb(202, 139, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 139, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 139, 85);  
box-shadow:4px 4px 4px 4px rgb(202, 139,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2294, 31.6777, 12.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 139, 85) }
```

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

```
.background{ background-color: rgb(202,  
139, 85) }
```

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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