

Converting Colors

XYZ(34.7205, 31.6447, 12.2607)

Have a look what the booklet for
XYZ(34.7205, 31.6447, 12.2607)
contains.

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Color

**XYZ(34.7205, 31.6447,
12.2607)**

Conversions

Conversions Part 1

Format	Color
Hex	C88C52
RGB	200, 140, 82
RGB Percent	78%, 55%, 32%
CMY	0.2157, 0.4510, 0.6784
CMYK	0.00, 0.30, 0.59, 0.22
HSL	29°, 52%, 55%
HSV	29°, 59%, 78%
XYZ	34.7205, 31.6447, 12.2607
YIQ	151.3280, 54.3780, -5.3180

Conversions

Conversions Part 2

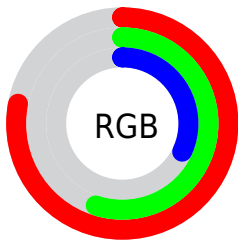
Format	Color
R _Y B	200, 196, 82
Decimal	13143122
CIE Lab	63.05, 16.70, 39.71
CIE LCh	63, 43.080, 67.190
Yxy	31.6447, 0.4416, 0.4025
Android (android.graphics.Color)	4291333202 (0xFFC88C52)
YUV	151.3280, -34.1787, 42.6853
Hunter-Lab	56.2536, 11.7288, 26.4550

Details

The XYZ color **34.7205, 31.6447, 12.2607** 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 **23.5775, 25.3088, 58.2858**, and the grayscale version is **29.6823, 31.2281, 34.0074**.

A 20% lighter version of the original color is **64.7654, 61.5370, 30.6546**, and **15.2726, 13.2675, 3.2693** is the 20% darker color. If you saturate the color by 10%, you get **32.6498, 28.5490, 8.3473**, and if you desaturate by 10%, it is **37.1518, 35.1069, 17.3890**.

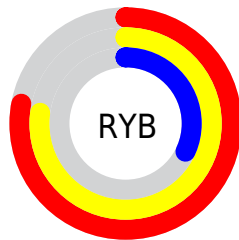
Distribution



Red (78%)

Green (55%)

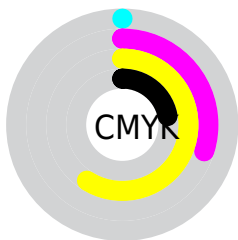
Blue (32%)



Red (78%)

Yellow (77%)

Blue (32%)

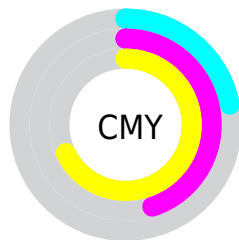


Cyan (0%)

Magenta (30%)

Yellow (59%)

Black (22%)



Cyan (22%)


Magenta (45%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7205, 31.6447, 12.2607 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 34.7205, 31.6447, 12.2607 by changing the saturation by 10% instead.


 34.7205, 31.6447,
12.2607


 34.7205, 31.6447,
12.2607


314.8626,
309.4975, 217.1624


 23.6132, 21.0903,
6.7968


 66.3894, 62.2537,
30.6405

 15.1701, 13.1900,
3.2588


 87.6817, 83.0770,
44.3935


 9.0259, 7.5595,
1.2283


 113.0997,
108.0921, 61.7466

 4.8154, 3.8144,
0.0019

 143.0088,
137.6833, 83.1183

 2.1730, 1.5703,
0.0000

 177.7742,
172.2351, 108.9272

 0.7284, 0.3374,
0.0000

217.7614,

 0.0000, 0.0000,

212.1318, 139.5918

0.0000

263.3358,
257.7578, 175.5307

■ 34.7205, 31.6447,
12.2607

■ 34.7205, 31.6447,
12.2607

■ 32.6498, 28.5490,
8.3473

■ 37.1518, 35.1069,
17.3890

■ 30.9139, 25.7997,
5.5412

■ 39.9626, 38.9451,
23.8238

■ 29.4862, 23.3814,
3.7181

■ 43.1727, 43.1739,
31.6498

■ 28.3235, 21.2702,
2.6702

■ 46.8000, 47.8058,
40.9440

■ 28.2163, 21.0733,
2.5804

■ 50.8608, 52.8525,
51.7777

■ 55.3709, 58.3251,
64.2175

■ 60.3449, 64.2344,
78.3262

■ 65.7968, 70.5907,
94.1630

■ 70.5920, 76.9446,
105.7389

Harmonies

Analogous

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



40.1120, 31.6447, 18.2390



34.7205, 31.6447, 12.2607



28.6719, 31.6447, 11.1425

Triad

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



34.7205, 31.6447, 12.2607



20.1189, 31.6447, 38.7091



37.5139, 31.6447, 67.5889

Complementary

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



34.7205, 31.6447, 12.2607



23.5775, 25.3088, 58.2858

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.



31.5280, 31.6447, 78.1010



34.7205, 31.6447, 12.2607



21.8735, 31.6447, 58.2195

Square

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



34.7205, 31.6447, 12.2607



20.7390, 31.6447, 23.2778



25.8678, 31.6447, 74.2020



41.8671, 31.6447, 48.7379

Rectangle

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



34.7205, 31.6447, 12.2607



25.1596, 31.6447, 12.7984



25.8678, 31.6447, 74.2020



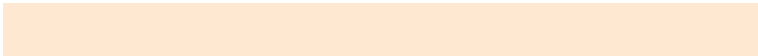
35.5975, 31.6447, 72.4558

Sweetspot

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



34.7213, 31.6463, 12.2613



81.5228, 83.3920, 72.1861



31.7922, 20.2963, 28.2156



17.0325, 17.3235, 14.3636



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.



34.7213, 31.6463, 12.2613



55.5623, 47.9296, 12.7926



45.5440, 53.2918, 15.8689



11.0571, 11.4834, 11.1965



18.0303, 13.5778, 1.6705



0.9262, 0.7878, 0.1032

Inverse Universe

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



23.5775, 25.3088, 58.2858



34.5068, 35.9471, 99.7275



17.0730, 12.2998, 56.1176



10.4950, 11.1640, 13.5192



9.7203, 8.8345, 35.9373



0.5326, 0.5631, 1.7258

Previews

White Background



This preview shows how the XYZ color 34.7205, 31.6447, 12.2607 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 34.7205, 31.6447, 12.2607 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 34.7205, 31.6447, 12.2607

Background



This preview shows how black text looks on a background with the XYZ color 34.7205, 31.6447, 12.2607.



This preview shows how white text looks on a background with the XYZ color 34.7205, 31.6447,

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

34.7205, 31.6447, 12.2607

Protanopia

29.2600, 31.7954, 13.6118

Deuteranopia

32.2576, 31.7166, 12.2063



Tritanopia

38.5223, 31.7374, 30.0822

Trichromacy



Original Color

34.7205, 31.6447, 12.2607

Protanomaly

31.0520, 31.5390, 13.0453

Deuteranomaly

33.1967, 31.7471, 12.1627

Tritanomaly

36.8840, 31.6853, 22.2610

Monochromacy



Original Color

34.7205, 31.6447, 12.2607

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.5618, 30.8088, 24.0746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7205, 31.6447, 12.2607 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(200, 140, 82)` looks like.

```
.text, #text, p{  
    color:rgb(200, 140, 82)  
}
```

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(200, 140, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 140, 82) }
```

Border

The CSS property to change the border of an element to XYZ 34.7205, 31.6447, 12.2607 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(200, 140, 82) }
```


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

```
.border{ border-color:rgb(200, 140, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 140, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 140, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 140, 82);  
box-shadow:4px 4px 4px 4px rgb(200, 140,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7205, 31.6447, 12.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 140, 82) }
```

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

```
.background{ background-color: rgb(200,  
140, 82) }
```

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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