

Converting Colors

XYZ(35.9747, 34.0284, 12.1600)

Have a look what the booklet for
XYZ(35.9747, 34.0284, 12.1600)
contains.

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Color

**XYZ(36.0886, 34.1618,
12.0890)**

Conversions

Conversions Part 1

Format	Color
Hex	C9944F
RGB	201, 148, 79
RGB Percent	79%, 58%, 31%
CMY	0.2118, 0.4196, 0.6902
CMYK	0.00, 0.26, 0.61, 0.21
HSL	34°, 53%, 55%
HSV	34°, 61%, 79%
XYZ	36.0886, 34.1618, 12.0890
YIQ	155.9810, 53.7370, -10.2230

Conversions

Conversions Part 2

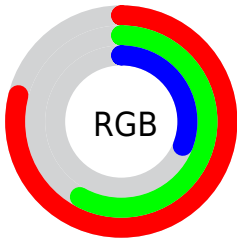
Format	Color
RYB	173, 201, 79
Decimal	13210703
CIELab	65.09, 12.53, 43.69
CIELCh	65, 45.448, 73.995
Yxy	34.1618, 0.4383, 0.4149
Android (android.graphics.Color)	4291400783 (0xFFC9944F)
YUV	155.9810, -37.9516, 39.4817
Hunter-Lab	58.4481, 7.9301, 28.6505

Details

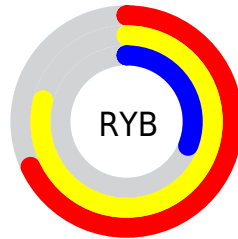
The XYZ color **36.0886, 34.1618, 12.0890** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **22.0180, 22.3810, 58.4176**, and the grayscale version is **31.7394, 33.3924, 36.3643**.

A 20% lighter version of the original color is **66.3898, 65.1128, 30.1880**, and **16.0106, 14.5724, 3.1972** is the 20% darker color. If you saturate the color by 10%, you get **34.1465, 31.2769, 8.3617**, and if you desaturate by 10%, it is **38.3568, 37.3451, 17.0167**.

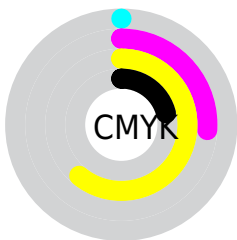
Distribution



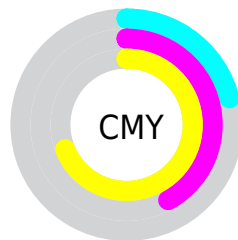
- Red (79%)
- Green (58%)
- Blue (31%)



- Red (68%)
- Yellow (79%)
- Blue (31%)



- Cyan (0%)
- Magenta (26%)
- Yellow (61%)
- Black (21%)





- Cyan (21%)
- Magenta (42%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0886, 34.1618, 12.0890 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 36.0886, 34.1618, 12.0890 by changing the saturation by 10% instead.


 36.0886, 34.1618,
12.0890


 36.0886, 34.1618,
12.0890

320.7721,
320.8529, 215.9924


 24.6731, 23.0179,
6.6810


 68.4918, 66.1852,
30.3239

 15.9611, 14.6067,
3.1880


 90.2101, 87.8335,
43.9880


 9.5873, 8.5439,
1.1914


 116.0934,
113.7521, 61.2411

 5.1863, 4.4449,
0.0000

 146.5071,
144.3254, 82.5019

 2.3929, 1.9254,
0.0000

 181.8164,
179.9377, 108.1889

 0.8416, 0.5636,
0.0000

222.3868,

 0.0000, 0.0000,

220.9734, 138.7206

0.0000

268.5836,
267.8171, 174.5156

■ 36.0886, 34.1618,
12.0890

■ 36.0886, 34.1618,
12.0890

■ 34.1465, 31.2769,
8.3617

■ 38.3568, 37.3451,
17.0167

■ 32.5053, 28.6727,
5.7235

■ 40.9689, 40.8335,
23.2389

■ 31.1388, 26.3363,
4.0451

■ 43.9441, 44.6394,
30.8422

■ 30.0694, 24.3817,
3.1213

■ 47.2994, 48.7728,
39.9053

■ 51.0502, 53.2432,
50.5009

■ 55.2115, 58.0596,
62.6967

■ 59.7970, 63.2307,
76.5565

■ 64.8199, 68.7646,
92.1405

■ 69.4933, 74.3495,
105.2959

Harmonies

Analogous

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



42.4603, 34.1618, 17.2616



36.0886, 34.1618, 12.0890



29.5020, 34.1618, 11.9340

Triad

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



36.0886, 34.1618, 12.0890



21.6654, 34.1618, 46.6765



42.0858, 34.1618, 69.8694

Complementary

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



36.0886, 34.1618, 12.0890



22.0180, 22.3810, 58.4176

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.



35.6302, 34.1618, 84.6618



36.0886, 34.1618, 12.0890



24.1839, 34.1618, 68.5088

Square

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



36.0886, 34.1618, 12.0890



21.7533, 34.1618, 28.0647



29.1013, 34.1618, 84.0933



46.2295, 34.1618, 48.1208

Rectangle

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



36.0886, 34.1618, 12.0890



25.8905, 34.1618, 14.4995



29.1013, 34.1618, 84.0933



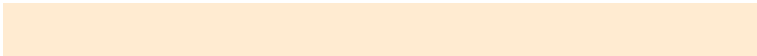
40.0787, 34.1618, 76.1032

Sweetspot

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



36.0894, 34.1635, 12.0897



82.4870, 85.3203, 72.5075



31.1796, 19.7282, 24.6827



17.2675, 17.7935, 14.4419



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.



36.0894, 34.1635, 12.0897



57.4723, 52.0134, 12.6163



44.7777, 53.9264, 15.4464



11.1233, 11.6157, 11.2186



18.9991, 15.5154, 1.9934



0.9707, 0.8768, 0.1181

Inverse Universe

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



22.0180, 22.3810, 58.4176



31.3540, 30.2005, 98.7845



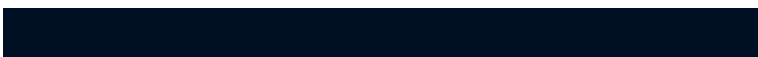
17.0943, 11.7454, 56.6243



10.4293, 11.0327, 13.4973



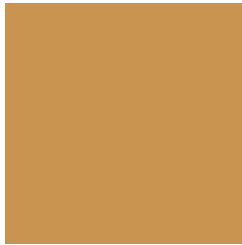
8.8752, 7.1443, 35.6556



0.4920, 0.4817, 1.7122

Previews

White Background



This preview shows how the XYZ color 36.0886, 34.1618, 12.0890 looks on a white background.

Color Contrast Check

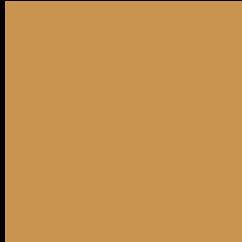
Large Text (above 18pt) WCAG AA × Fail

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 36.0886, 34.1618, 12.0890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

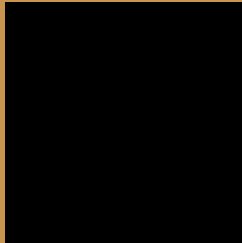
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0886, 34.1618, 12.0890

Background



This preview shows how black text looks on a background with the XYZ color 36.0886, 34.1618, 12.0890.



This preview shows how white text looks on a background with the XYZ color 36.0886, 34.1618,

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

36.0886, 34.1618, 12.0890

Protanopia

31.4290, 34.1769, 12.9230

Deuteranopia

34.9474, 34.2854, 11.9835



Tritanopia

40.3367, 34.0800, 33.3063

Trichromacy



Original Color

36.0886, 34.1618, 12.0890

Protanomaly

32.8080, 33.8956, 12.5979

Deuteranomaly

35.3075, 34.2331, 11.9545

Tritanomaly

38.3624, 33.9375, 23.5975

Monochromacy



Original Color

36.0886, 34.1618, 12.0890

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.3008, 33.1116, 25.1108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0886, 34.1618, 12.0890 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(201, 148, 79)` looks like.

```
.text, #text, p{  
    color:rgb(201, 148, 79)  
}
```

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(201, 148, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 148, 79) }
```

Border

The CSS property to change the border of an element to XYZ 36.0886, 34.1618, 12.0890 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(201, 148, 79) }
```


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

```
.border{ border-color:rgb(201, 148, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 148, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 148, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 148, 79);  
box-shadow:4px 4px 4px 4px rgb(201, 148,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0886, 34.1618, 12.0890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 148, 79) }
```

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

```
.background{ background-color: rgb(201,  
148, 79) }
```

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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