

Converting Colors

XYZ(34.5765, 30.1132, 16.0474)

Have a look what the booklet for
XYZ(34.5765, 30.1132, 16.0474)
contains.

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Color

**XYZ(34.6448, 30.2497,
16.0694)**

Conversions

Conversions Part 1

Format	Color
Hex	C88664
RGB	200, 134, 100
RGB Percent	78%, 53%, 39%
CMY	0.2157, 0.4745, 0.6078
CMYK	0.00, 0.33, 0.50, 0.22
HSL	20°, 48%, 59%
HSV	20°, 50%, 78%
XYZ	34.6448, 30.2497, 16.0694
YIQ	149.8580, 50.2500, 3.4180

Conversions

Conversions Part 2

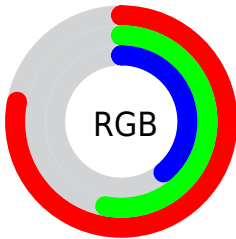
Format	Color
R_{YB}	200, 152, 100
Decimal	13141604
CIE _{Lab}	61.87, 21.52, 28.56
CIE _{LCh}	62, 35.766, 53.002
Yxy	30.2497, 0.4279, 0.3736
Android (android.graphics.Color)	4291331684 (0xFFC88664)
YUV	149.8580, -24.5800, 43.9745
Hunter-Lab	54.9997, 16.1892, 21.1769

Details

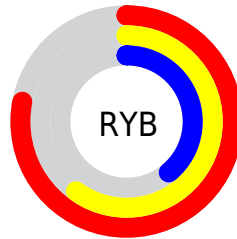
The XYZ color **34.6448, 30.2497, 16.0694** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **29.3164, 34.1503, 59.6900**, and the grayscale version is **29.0159, 30.5270, 33.2439**.

A 20% lighter version of the original color is **64.8091, 59.4608, 37.3394**, and **15.1406, 12.4373, 4.9708** is the 20% darker color. If you saturate the color by 10%, you get **32.0813, 26.4863, 11.0112**, and if you desaturate by 10%, it is **37.6752, 34.5666, 22.4560**.

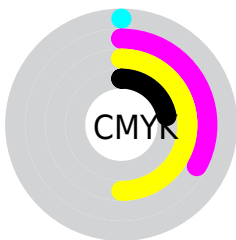
Distribution



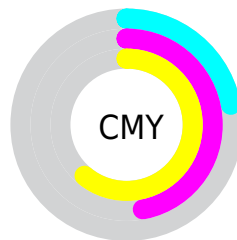
- Red (78%)
- Green (53%)
- Blue (39%)



- Red (78%)
- Yellow (60%)
- Blue (39%)



- Cyan (0%)
- Magenta (33%)
- Yellow (50%)
- Black (22%)





- Cyan (22%)
- Magenta (47%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6448, 30.2497, 16.0694 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 34.6448, 30.2497, 16.0694 by changing the saturation by 10% instead.


 34.6448, 30.2497,
16.0694

 34.6448, 30.2497,
16.0694


314.5333,
303.0666, 241.6106


 23.5546, 20.0282,
9.4184


 66.2728, 60.0568,
37.4871

 15.1265, 12.4155,
4.9146


 87.5413, 80.4113,
53.0909

 8.9951, 7.0273,
2.1394


 112.9333,
104.9121, 72.5160

 4.7951, 3.4792,
0.6390

 142.8142,
133.9438, 96.1810

 2.1611, 1.3867,
0.0000

177.5493,
167.8907, 124.5044

 0.7221, 0.2069,
0.0000

217.5039,

 0.0000, 0.0000,

207.1372, 157.9048

0.0000

263.0434,
252.0677, 196.8007

■ 34.6448, 30.2497,
16.0694

■ 34.6448, 30.2497,
16.0694

■ 32.0813, 26.4863,
11.0112

■ 37.6752, 34.5666,
22.4560

■ 29.9563, 23.2481,
7.1836

■ 41.1940, 39.4546,
30.2558

■ 28.2415, 20.5108,
4.4781


■ 45.2240, 44.9362,
39.5483


■ 26.9037, 18.2459,
2.7657


■ 49.7860, 51.0312,
50.4067


■ 25.8871, 16.4148,
1.8040

■ 54.8993, 57.7584,
62.8993

 25.8871, 16.4147,
1.8040

 60.5823, 65.1358,
77.0904

 66.8526, 73.1805,
93.0408

 72.9112, 81.5830,
106.5120

 76.9305, 89.6217,
107.8518

Harmonies

Analogous

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



38.0688, 30.2497, 23.6842



34.6448, 30.2497, 16.0694



29.8858, 30.2497, 13.1094

Triad

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



34.6448, 30.2497, 16.0694



20.5595, 30.2497, 29.8329



32.4947, 30.2497, 63.5940

Complementary

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



34.6448, 30.2497, 16.0694



29.3164, 34.1503, 59.6900

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.



27.6462, 30.2497, 66.5808



34.6448, 30.2497, 16.0694



21.0938, 30.2497, 44.3309

Square

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



34.6448, 30.2497, 16.0694



22.0178, 30.2497, 19.4999



23.5674, 30.2497, 58.7500



36.7345, 30.2497, 51.4526

Rectangle

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



34.6448, 30.2497, 16.0694



26.7327, 30.2497, 13.3702



23.5674, 30.2497, 58.7500



30.8693, 30.2497, 65.8182

Sweetspot

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



34.6455, 30.2512, 16.0700



81.9611, 82.7151, 77.1211



35.3210, 24.1717, 39.2020



17.1871, 17.2278, 15.6631



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.



34.6455, 30.2512, 16.0700



55.1984, 45.3395, 18.4125



43.1220, 47.2041, 18.8955



10.9238, 11.2167, 11.1521



16.5351, 10.5874, 1.1721



0.8503, 0.6360, 0.0780

Inverse Universe

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



29.3164, 34.1503, 59.6900



44.8790, 52.7438, 102.4229



22.0036, 19.5248, 57.2524



10.6313, 11.4366, 13.5646



11.9602, 13.3144, 36.6839



0.6315, 0.7608, 1.7587

Previews

White Background



This preview shows how the XYZ color 34.6448, 30.2497, 16.0694 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 34.6448, 30.2497, 16.0694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

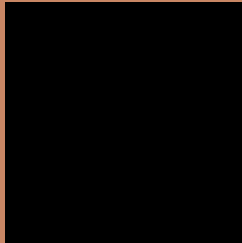
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6448, 30.2497, 16.0694

Background



This preview shows how black text looks on a background with the XYZ color 34.6448, 30.2497, 16.0694.



This preview shows how white text looks on a background with the XYZ color 34.6448, 30.2497,

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

34.6448, 30.2497, 16.0694

Protanopia

28.2581, 30.4513, 18.2982

Deuteranopia

30.8495, 30.2301, 15.7643



Tritanopia

37.1391, 30.2611, 28.3096

Trichromacy



Original Color

34.6448, 30.2497, 16.0694

Protanomaly

30.1511, 30.0600, 17.3097

Deuteranomaly

32.1237, 30.2218, 15.9447

Tritanomaly

36.1751, 30.2698, 23.3381

Monochromacy



Original Color

34.6448, 30.2497, 16.0694

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.2866, 29.9373, 26.0120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6448, 30.2497, 16.0694 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, 134, 100)` looks like.

```
.text, #text, p{  
    color:rgb(200, 134, 100)  
}
```

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, 134, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 134, 100) }
```

Border

The CSS property to change the border of an element to XYZ 34.6448, 30.2497, 16.0694 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, 134, 100) }
```


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

```
.border{ border-color:rgb(200, 134, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 134, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 134, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 134, 100);  
box-shadow:4px 4px 4px 4px rgb(200, 134,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6448, 30.2497, 16.0694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 134, 100) }
```

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

```
.background{ background-color: rgb(200,  
134, 100) }
```

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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