

# Converting Colors

XYZ(36.4783, 34.3208, 17.9333)

Have a look what the booklet for  
XYZ(36.4783, 34.3208, 17.9333)  
contains.

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# Color

**XYZ(36.4284, 34.2055,  
18.0469)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C69469
RGB	198, 148, 105
RGB Percent	78%, 58%, 41%
CMY	0.2235, 0.4196, 0.5882
CMYK	0.00, 0.25, 0.47, 0.22
HSL	28°, 45%, 59%
HSV	28°, 47%, 78%
XYZ	36.4284, 34.2055, 18.0469
YIQ	158.0480, 43.6030, -2.7730

# Conversions

## Conversions Part 2

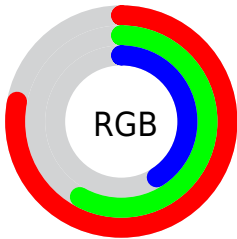
Format	Color
R <sub>Y</sub> B	198, 185, 105
Decimal	13014121
CIE Lab	65.13, 13.51, 30.01
CIE LCh	65, 32.913, 65.756
Yxy	34.2055, 0.4108, 0.3857
Android (android.graphics.Color)	4291204201 (0xFFC69469)
YUV	158.0480, -26.1527, 35.0379
Hunter-Lab	58.4855, 8.8314, 22.6447

# Details

The XYZ color **36.4284, 34.2055, 18.0469** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.7395, 30.5218, 57.8552**, and the grayscale version is **32.6230, 34.3219, 37.3766**.

A 20% lighter version of the original color is **68.4463, 65.9354, 41.0176**, and **16.1685, 14.5956, 5.8359** is the 20% darker color. If you saturate the color by 10%, you get **33.9334, 30.6590, 12.7656**, and if you desaturate by 10%, it is **39.3156, 38.1572, 24.6285**.

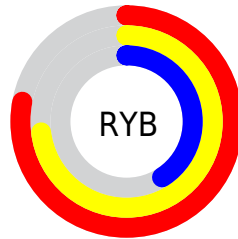
# Distribution



Red (78%)

Green (58%)

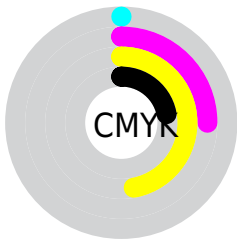
Blue (41%)



Red (78%)

Yellow (73%)

Blue (41%)

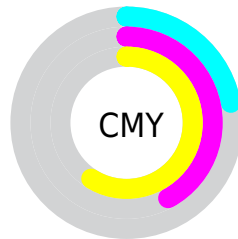


Cyan (0%)

Magenta (25%)

Yellow (47%)

Black (22%)



Cyan (22%)

Magenta (42%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4284, 34.2055, 18.0469 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 36.4284, 34.2055, 18.0469 by changing the saturation by 10% instead.





 36.4284, 34.2055,  
18.0469


 36.4284, 34.2055,  
18.0469


322.2278,  
321.0474, 253.3803

 24.9369, 23.0515,  
10.8139


 69.0123, 66.2531,  
40.9322


 16.1585, 14.6315,  
5.8292


 90.8355, 87.9155,  
57.4216

 9.7280, 8.5612,  
2.6744


 116.8332,  
113.8495, 77.8336

 5.2798, 4.4561,  
0.9305

 147.3708,  
144.4395, 102.5866

 2.4488, 1.9318,  
0.0000

182.8137,  
180.0699, 132.0992

 0.8695, 0.5674,  
0.0000

223.5273,

 0.0000, 0.0000,

221.1251, 166.7900

0.0000

269.8769,  
267.9895, 207.0775

■ 36.4284, 34.2055,  
18.0469

■ 36.4284, 34.2055,  
18.0469

■ 33.9334, 30.6590,  
12.7656

■ 39.3156, 38.1572,  
24.6285

■ 31.8073, 27.4978,  
8.6934

■ 42.6114, 42.5231,  
32.5891

■ 30.0277, 24.7074,  
5.7301

■ 46.3345, 47.3180,  
42.0035

■ 28.5682, 22.2701,  
3.7585

■ 50.5012, 52.5544,  
52.9404

■ 27.3943, 20.1645,  
2.6206

■ 55.1272, 58.2442,  
65.4642

■ 27.0776, 19.5837,  
2.3529

■ 60.2273, 64.3989,  
79.6356

■ 65.8154, 71.0294,  
95.5120

■ 70.5224, 77.5933,  
105.8678

■ 73.6300, 83.8084,  
106.9037

# Harmonies

## Analogous

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



40.5446, 34.2055, 23.8965



36.4284, 34.2055, 18.0469



31.5992, 34.2055, 16.7316

# Triad

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



36.4284, 34.2055, 18.0469



24.2061, 34.2055, 39.9437



38.1761, 34.2055, 62.9131

# Complementary

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



36.4284, 34.2055, 18.0469



27.7395, 30.5218, 57.8552

# 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.



33.4408, 34.2055, 70.0050



36.4284, 34.2055, 18.0469



25.6160, 34.2055, 54.8164

# Square

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



36.4284, 34.2055, 18.0469



24.8386, 34.2055, 27.4578



28.8856, 34.2055, 66.7280



41.6208, 34.2055, 49.1163



# Rectangle

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



36.4284, 34.2055, 18.0469



28.6830, 34.2055, 18.2285



28.8856, 34.2055, 66.7280



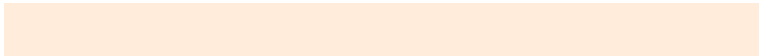
36.6659, 34.2055, 66.2961

# Sweetspot

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



36.4292, 34.2072, 18.0476



84.0060, 86.2708, 79.4494



34.3539, 24.5146, 34.4405



17.6473, 18.0432, 16.1406



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.



36.4292, 34.2072, 18.0476



60.1426, 54.3679, 22.7119



44.9859, 51.3205, 20.8998



11.0313, 11.4317, 11.1879



17.6931, 12.9033, 1.5581



0.9100, 0.7555, 0.0979



# Inverse Universe

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



27.7395, 30.5218, 57.8552



42.9481, 47.0589, 101.4274



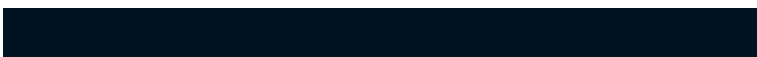
21.5572, 18.1573, 55.7945



10.5210, 11.2161, 13.5279



10.0967, 9.5873, 36.0627



0.5500, 0.5978, 1.7315



# Previews

## White Background



This preview shows how the XYZ color 36.4284, 34.2055, 18.0469 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

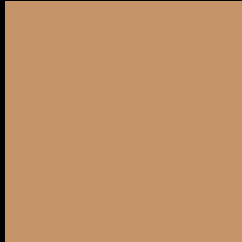
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.4284, 34.2055, 18.0469 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

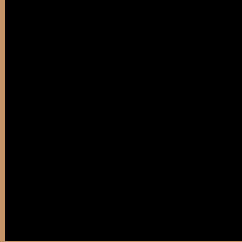
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.4284, 34.2055, 18.0469**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.4284, 34.2055, 18.0469.



This preview shows how white text looks on a background with the XYZ color 36.4284, 34.2055,



# 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

36.4284, 34.2055, 18.0469

### Protanopia

31.7818, 34.2158, 19.3972

### Deuteranopia

34.8005, 34.0798, 17.8406



## Tritanopia

39.7799, 34.2025, 34.6421

# Trichromacy



## Original Color

36.4284, 34.2055, 18.0469

## Protanomaly

33.3184, 34.0177, 18.9974

## Deuteranomaly

35.3974, 34.1496, 17.8226

## Tritanomaly

38.5046, 34.1416, 27.8531

# Monochromacy



## Original Color

36.4284, 34.2055, 18.0469

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

33.4494, 33.8595, 29.1987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.4284, 34.2055, 18.0469 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(198, 148, 105)` looks like.

```
.text, #text, p{  
    color:rgb(198, 148, 105)  
}
```

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(198, 148, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 148, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 36.4284, 34.2055, 18.0469 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(198, 148, 105) }
```



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

```
.border{ border-color:rgb(198, 148, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 148, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 148, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 148, 105);  
box-shadow:4px 4px 4px 4px rgb(198, 148,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.4284, 34.2055, 18.0469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 148, 105) }
```

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

```
.background{ background-color: rgb(198,  
148, 105) }
```

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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