

# Converting Colors

XYZ(35.9572, 34.6006, 21.3064)

Have a look what the booklet for  
XYZ(35.9572, 34.6006, 21.3064)  
contains.

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# Color

**XYZ(35.9572, 34.6006,  
21.3064)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C09774
RGB	192, 151, 116
RGB Percent	75%, 59%, 45%
CMY	0.2471, 0.4078, 0.5451
CMYK	0.00, 0.21, 0.40, 0.25
HSL	28°, 38%, 60%
HSV	28°, 40%, 75%
XYZ	35.9572, 34.6006, 21.3064
YIQ	159.2690, 35.6710, -2.1930

# Conversions

## Conversions Part 2

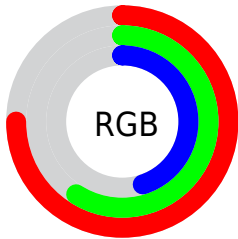
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">192, 181, 116</a>
Decimal	<a href="#">12621684</a>
CIELab	<a href="#">65.44, 10.60, 24.30</a>
CIELCh	<a href="#">65, 26.507, 66.427</a>
Yxy	<a href="#">34.6006, 0.3914, 0.3766</a>
Android (android.graphics.Color)	<a href="#">4290811764</a> (0xFFC09774)
YUV	<a href="#">159.2690, -21.3316, 28.7051</a>
Hunter-Lab	<a href="#">58.8223, 6.1755, 19.6998</a>

# Details

The XYZ color **35.9572, 34.6006, 21.3064** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.7734, 31.6316, 54.4581**, and the grayscale version is **33.1617, 34.8887, 37.9938**.

A 20% lighter version of the original color is **68.3235, 66.8138, 46.3411**, and **15.8868, 14.8380, 7.3369** is the 20% darker color. If you saturate the color by 10%, you get **33.3597, 31.0120, 15.4884**, and if you desaturate by 10%, it is **38.9338, 38.5778, 28.3903**.

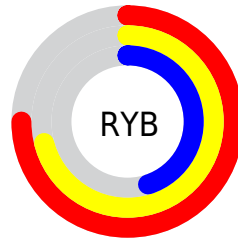
# Distribution



Red (75%)

Green (59%)

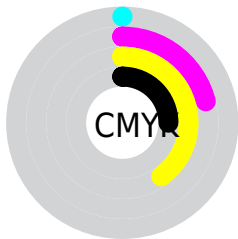
Blue (45%)



Red (75%)

Yellow (71%)

Blue (45%)

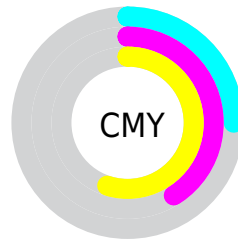


Cyan (0%)

Magenta (21%)

Yellow (40%)

Black (25%)



Cyan (25%)

Magenta (41%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9572, 34.6006, 21.3064 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 35.9572, 34.6006, 21.3064 by changing the saturation by 10% instead.





 35.9572, 34.6006,  
21.3064


 35.9572, 34.6006,  
21.3064


320.2079,  
322.8019, 271.7367


 24.5711, 23.3554,  
13.1547


 68.2903, 66.8666,  
46.4843

 15.8848, 14.8561,  
7.4032


 89.9680, 88.6561,  
64.3476

 9.5330, 8.7185,  
3.6333


 115.8070,  
114.7292, 86.2852

 5.1503, 4.5580,  
1.4264

146.1725,  
145.4702, 112.7157

 2.3714, 1.9903,  
0.1622

181.4301,  
181.2636, 144.0575

 0.8308, 0.6019,  
0.0000

221.9449,

 0.0000, 0.0000,

222.4938, 180.7293

0.0000

268.0824,  
269.5451, 223.1495

■ 35.9572, 34.6006,  
21.3064

■ 35.9572, 34.6006,  
21.3064

■ 33.3597, 31.0120,  
15.4884

■ 38.9338, 38.5778,  
28.3903

■ 31.1205, 27.7937,  
10.8575

■ 42.3035, 42.9510,  
36.8081

■ 29.2208, 24.9332,  
7.3292


■ 46.0828, 47.7337,  
46.6256


■ 27.6382, 22.4152,  
4.8069


■ 50.2864, 52.9372,  
57.9035


■ 26.3473, 20.2225,  
3.1766


■ 54.9282, 58.5723,  
70.6988


 25.3037, 18.3303,  
2.2275

 60.0214, 64.6493,  
85.0655

 25.2635, 18.2570,  
2.1924

 65.5787, 71.1782,  
101.0551

 69.1711, 77.1921,  
105.8616

 72.2040, 83.2581,  
106.8726

# Harmonies

## Analogous

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



39.2530, 34.6006, 26.3715



35.9572, 34.6006, 21.3064



32.0599, 34.6006, 20.2002

# Triad

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



35.9572, 34.6006, 21.3064



26.0250, 34.6006, 40.1134



37.5121, 34.6006, 57.5821

# Complementary

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



35.9572, 34.6006, 21.3064



28.7734, 31.6316, 54.4581

# 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.



33.7279, 34.6006, 63.1035



35.9572, 34.6006, 21.3064



27.2491, 34.6006, 51.8175

# Square

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



35.9572, 34.6006, 21.3064



26.5200, 34.6006, 29.7692



29.9964, 34.6006, 60.8097



40.1989, 34.6006, 46.8676



# Rectangle

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



35.9572, 34.6006, 21.3064



29.6812, 34.6006, 21.6150



29.9964, 34.6006, 60.8097



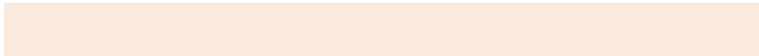
36.3153, 34.6006, 60.1938

# Sweetspot

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



35.9581, 34.6022, 21.3071



81.6394, 84.1567, 79.5901



34.1382, 26.1593, 35.5078



17.3176, 17.8064, 16.5606



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



35.9581, 34.6022, 21.3071



61.2577, 57.3311, 29.8279



42.9167, 48.5194, 23.6266



10.4469, 10.8252, 10.6007



17.0758, 12.4373, 1.5006



0.8066, 0.6751, 0.0878



# Inverse Universe

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



28.7734, 31.6316, 54.4581



46.5210, 51.2287, 97.7965



23.4096, 20.9040, 52.6702



9.9682, 10.6278, 12.8108



9.7827, 9.3219, 34.8403



0.4910, 0.5394, 1.5281



# Previews

## White Background



This preview shows how the XYZ color 35.9572, 34.6006, 21.3064 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 35.9572, 34.6006, 21.3064 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

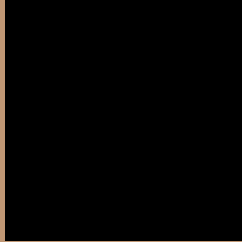
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 35.9572, 34.6006, 21.3064

## Background



This preview shows how black text looks on a background with the XYZ color 35.9572, 34.6006, 21.3064.



This preview shows how white text looks on a background with the XYZ color 35.9572, 34.6006,



# 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

35.9572, 34.6006, 21.3064

### Protanopia

32.3055, 34.6742, 22.4429

### Deuteranopia

35.3669, 34.5362, 21.3251



## Tritanopia

39.1296, 34.7279, 36.5391

# Trichromacy



## Original Color

35.9572, 34.6006, 21.3064

## Protanomaly

33.5186, 34.5499, 22.0417

## Deuteranomaly

35.6158, 34.6646, 21.3368

## Tritanomaly

37.9781, 34.7349, 30.2940

# Monochromacy



## Original Color

35.9572, 34.6006, 21.3064

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

33.6410, 34.4180, 30.8569

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9572, 34.6006, 21.3064 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(192, 151, 116)` looks like.

```
.text, #text, p{  
    color:rgb(192, 151, 116)  
}
```

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(192, 151, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 151, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9572, 34.6006, 21.3064 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".

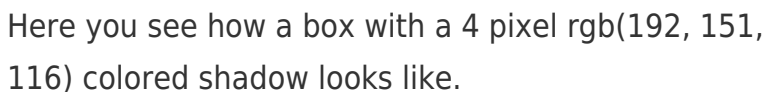
```
.border, #border, table{ border:4px solid rgb(192, 151, 116) }
```



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

```
.border{ border-color:rgb(192, 151, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(192, 151, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 151, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 151, 116); box-shadow:4px 4px 4px 4px rgb(192, 151, 116) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9572, 34.6006, 21.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 151, 116) }
```

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

```
.background{ background-color: rgb(192,  
151, 116) }
```

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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