

# Converting Colors

XYZ(35.6350, 34.7833, 27.9083)

Have a look what the booklet for  
XYZ(35.6350, 34.7833, 27.9083)  
contains.

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# Color

**XYZ(35.5316, 34.7221,  
27.7510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B89987
RGB	184, 153, 135
RGB Percent	72%, 60%, 53%
CMY	0.2784, 0.4000, 0.4706
CMYK	0.00, 0.17, 0.27, 0.28
HSL	22°, 26%, 63%
HSV	22°, 27%, 72%
XYZ	35.5316, 34.7221, 27.7510
YIQ	160.2170, 24.2540, 0.9740

# Conversions

## Conversions Part 2

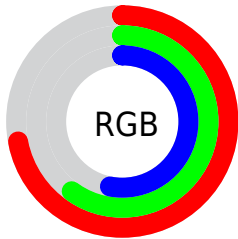
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 163, 135
Decimal	12097927
CIELab	65.53, 8.76, 13.77
CIELCh	66, 16.317, 57.538
Yxy	34.7221, 0.3625, 0.3543
Android (android.graphics.Color)	4290288007 (0xFFB89987)
YUV	160.2170, -12.4320, 20.8577
Hunter-Lab	58.9255, 4.5146, 13.3251

# Details

The XYZ color **35.5316, 34.7221, 27.7510** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **32.2793, 35.8831, 50.5724**, and the grayscale version is **33.5622, 35.3101, 38.4527**.

A 20% lighter version of the original color is **67.6656, 66.9573, 56.9346**, and **15.5970, 14.9044, 10.6491** is the 20% darker color. If you saturate the color by 10%, you get **32.5336, 30.6230, 20.9031**, and if you desaturate by 10%, it is **38.9413, 39.2856, 35.8415**.

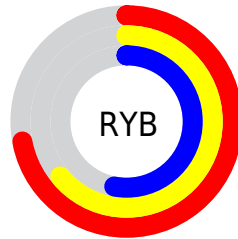
# Distribution



Red (72%)

Green (60%)

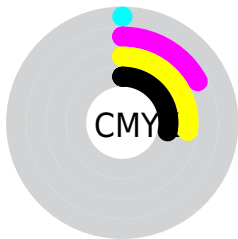
Blue (53%)



Red (72%)

Yellow (64%)

Blue (53%)

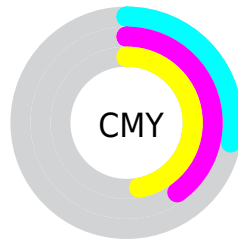


Cyan (0%)

Magenta (17%)

Yellow (27%)

Black (28%)



Cyan (28%)

Magenta (40%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5316, 34.7221, 27.7510 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 35.5316, 34.7221, 27.7510 by changing the saturation by 10% instead.





 35.5316, 34.7221,  
27.7510

 35.5316, 34.7221,  
27.7510

318.3757,  
323.3400, 305.1496


 24.2411, 23.4489,  
17.9006


 67.6371, 67.0550,  
57.1050

 15.6383, 14.9253,  
10.7100


 89.1828, 88.8835,  
77.4456

 9.3578, 8.7670,  
5.7605


 114.8776,  
114.9993, 102.1202

 5.0342, 4.5895,  
2.6336

145.0869,  
145.7866, 131.5471

 2.3023, 2.0085,  
0.9097

180.1760,  
181.6300, 166.1450

 0.7959, 0.6124,  
0.0000

220.5102,

 0.0000, 0.0000,

222.9137, 206.3323

0.0000

266.4550,  
270.0223, 252.5277

■ 35.5316, 34.7221,  
27.7510

■ 35.5316, 34.7221,  
27.7510

■ 32.5336, 30.6230,  
20.9031

■ 38.9413, 39.2856,  
35.8415

■ 29.9276, 26.9684,  
15.2332

■ 42.7756, 44.3233,  
45.2305

■ 27.6965, 23.7439,  
10.6742


■ 47.0503, 49.8505,  
55.9730


■ 25.8206, 20.9321,  
7.1511


■ 51.7797, 55.8803,  
68.1201

■ 24.2782, 18.5146,  
4.5797


■ 56.9770, 62.4254,  
81.7204


 23.0446, 16.4711,  
2.8620


 62.6554, 69.4981,  
96.8201

 22.0882, 14.7780,  
1.8663

 67.3771, 76.5302,  
105.8284

 21.8106, 14.2771,  
1.6062

 70.8096, 83.3951,  
106.9725

 73.5773, 88.9304,  
107.8951

# Harmonies

## Analogous

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



37.2484, 34.7221, 32.0407



35.5316, 34.7221, 27.7510



33.2002, 34.7221, 26.1201

# Triad

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



35.5316, 34.7221, 27.7510



28.6195, 34.7221, 37.2437



35.1735, 34.7221, 50.7225

# Complementary

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



35.5316, 34.7221, 27.7510



32.2793, 35.8831, 50.5724

# 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.



32.8052, 34.7221, 52.5434



35.5316, 34.7221, 27.7510



29.0918, 34.7221, 44.2255

# Square

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



35.5316, 34.7221, 27.7510



29.2737, 34.7221, 31.1714



30.5960, 34.7221, 50.0376



37.0348, 34.7221, 45.3220



# Rectangle

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



35.5316, 34.7221, 27.7510



31.6364, 34.7221, 26.5916



30.5960, 34.7221, 50.0376



34.4070, 34.7221, 51.8000

# Sweetspot

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



35.5325, 34.7237, 27.7517



76.4464, 78.9183, 79.2782



35.3175, 30.2731, 40.0746



16.2484, 16.7099, 16.5187



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



35.5325, 34.7237, 27.7517



61.1137, 58.4566, 42.7107



39.9551, 43.5689, 29.2259



9.2676, 9.5382, 9.4595



15.0941, 9.9645, 1.1278



0.5921, 0.4713, 0.0598



# Inverse Universe

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



32.2793, 35.8831, 50.5724



54.2100, 60.9055, 91.1034



28.2475, 27.8195, 49.2285



8.9818, 9.6407, 11.4669



10.3677, 11.1950, 32.8675



0.4224, 0.5084, 1.1776



# Previews

## White Background



This preview shows how the XYZ color 35.5316, 34.7221, 27.7510 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 35.5316, 34.7221, 27.7510 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 35.5316, 34.7221, 27.7510**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.5316, 34.7221, 27.7510.



This preview shows how white text looks on a background with the XYZ color 35.5316, 34.7221,



# 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

35.5316, 34.7221, 27.7510

### Protanopia

32.9219, 34.8467, 29.0357

### Deuteranopia

35.2928, 34.5990, 27.7398



## Tritanopia

37.6740, 34.6329, 38.4174

# Trichromacy



## Original Color

35.5316, 34.7221, 27.7510

## Protanomaly

33.8059, 34.8043, 28.6031

## Deuteranomaly

35.2928, 34.5990, 27.7398

## Tritanomaly

36.8235, 34.5188, 34.4277

# Monochromacy



## Original Color

35.5316, 34.7221, 27.7510

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

34.0051, 34.7833, 34.1997

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.5316, 34.7221, 27.7510 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(184, 153, 135)` looks like.

```
.text, #text, p{  
    color:rgb(184, 153, 135)  
}
```

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(184, 153, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 153, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 35.5316, 34.7221, 27.7510 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(184, 153, 135) }
```



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

```
.border{ border-color:rgb(184, 153, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 153, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 153, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 153, 135);  
box-shadow:4px 4px 4px 4px rgb(184, 153,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.5316, 34.7221, 27.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 153, 135) }
```

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

```
.background{ background-color: rgb(184,  
153, 135) }
```

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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