

# Converting Colors

XYZ(37.0543, 35.1579, 20.4560)

Have a look what the booklet for  
XYZ(37.0543, 35.1579, 20.4560)  
contains.

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# Color

**XYZ(37.0732, 35.1958,  
20.4623)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C59771
RGB	197, 151, 113
RGB Percent	77%, 59%, 44%
CMY	0.2275, 0.4078, 0.5569
CMYK	0.00, 0.23, 0.43, 0.23
HSL	27°, 42%, 61%
HSV	27°, 43%, 77%
XYZ	37.0732, 35.1958, 20.4623
YIQ	160.4220, 39.6140, -2.0660

# Conversions

## Conversions Part 2

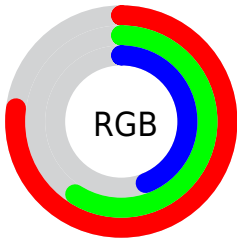
Format	Color
<a href="#">RYB</a>	<a href="#">197, 182, 113</a>
Decimal	<a href="#">12949361</a>
CIELab	<a href="#">65.90, 12.30, 26.65</a>
CIElCh	<a href="#">66, 29.352, 65.220</a>
Yxy	<a href="#">35.1958, 0.3998, 0.3795</a>
Android (android.graphics.Color)	<a href="#">4291139441 (0xFFC59771)</a>
YUV	<a href="#">160.4220, -23.3790, 32.0789</a>
Hunter-Lab	<a href="#">59.3260, 7.7251, 21.0784</a>

# Details

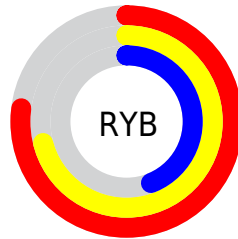
The XYZ color **37.0732, 35.1958, 20.4623** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.2857, 32.3369, 57.5213**, and the grayscale version is **33.7011, 35.4561, 38.6117**.

A 20% lighter version of the original color is **69.8629, 67.6393, 44.9708**, and **16.4958, 15.1587, 7.0575** is the 20% darker color. If you saturate the color by 10%, you get **34.4251, 31.4860, 14.6891**, and if you desaturate by 10%, it is **40.1227, 39.3230, 27.5577**.

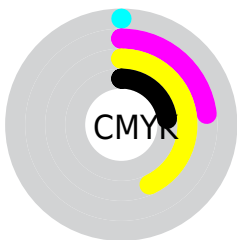
# Distribution



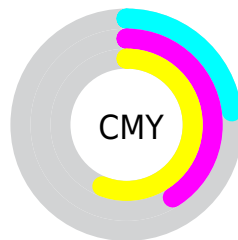
- Red (77%)
- Green (59%)
- Blue (44%)



- Red (77%)
- Yellow (71%)
- Blue (44%)



- Cyan (0%)
- Magenta (23%)
- Yellow (43%)
- Black (23%)




- Cyan (23%)
- Magenta (41%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0732, 35.1958, 20.4623 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 37.0732, 35.1958, 20.4623 by changing the saturation by 10% instead.





 37.0732, 35.1958,  
20.4623


 37.0732, 35.1958,  
20.4623


324.9774,  
325.4317, 267.0935

 25.4381, 23.8137,  
12.5441


 69.9985, 67.7890,  
45.0600


 16.5342, 15.1955,  
6.9884


 92.0193, 89.7689,  
62.5767

 9.9962, 8.9567,  
3.3765


 118.2328,  
116.0502, 84.1299

 5.4587, 4.7130,  
1.2899

 149.0043,  
147.0173, 110.1382

 2.5563, 2.0798,  
0.0535

184.6992,  
183.0547, 141.0202

 0.9237, 0.6533,  
0.0000

225.6827,

 0.0000, 0.0000,

224.5466, 177.1944

0.0000

272.3203,  
271.8775, 219.0793

■ 37.0732, 35.1958,  
20.4623

■ 37.0732, 35.1958,  
20.4623

■ 34.4251, 31.4860,  
14.6891

■ 40.1227, 39.3230,  
27.5577

■ 32.1557, 28.1737,  
10.1517

■ 43.5894, 43.8765,  
36.0501

■ 30.2440, 25.2448,  
6.7566


■ 47.4912, 48.8710,  
46.0108


■ 28.6651, 22.6820,  
4.3959


■ 51.8443, 54.3191,  
57.5060

■ 27.3898, 20.4657,  
2.9402


■ 56.6638, 60.2328,  
70.5977

 26.6091, 19.0366,  
2.2720

 61.9643, 66.6234,  
85.3443

 67.7594, 73.5020,  
101.8013

 71.4475, 79.8334,  
106.2514

 74.6705, 86.2795,  
107.3258

# Harmonies

## Analogous

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



40.7429, 35.1958, 26.1262



37.0732, 35.1958, 20.4623



32.6991, 35.1958, 19.1103

# Triad

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



37.0732, 35.1958, 20.4623



25.8119, 35.1958, 40.5380



38.4993, 35.1958, 61.3479

# Complementary

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



37.0732, 35.1958, 20.4623



29.2857, 32.3369, 57.5213

# 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.



34.2175, 35.1958, 67.3868



37.0732, 35.1958, 20.4623



27.0883, 35.1958, 53.8227

# Square

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



37.0732, 35.1958, 20.4623



26.4341, 35.1958, 29.1534



30.0757, 35.1958, 64.3718



41.6149, 35.1958, 49.2364



# Rectangle

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



37.0732, 35.1958, 20.4623



30.0215, 35.1958, 20.5135



30.0757, 35.1958, 64.3718



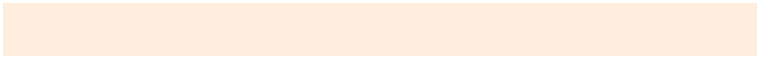
37.1355, 35.1958, 64.2621

# Sweetspot

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



37.0741, 35.1975, 20.4630



84.6450, 87.0064, 81.3345



35.2066, 26.1911, 36.0920



17.7696, 18.1811, 16.5103



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.



37.0741, 35.1975, 20.4630



62.0352, 56.9328, 27.1048



45.0324, 51.1141, 23.1158



11.0225, 11.4141, 11.1849



17.5832, 12.6835, 1.5214



0.9047, 0.7448, 0.0961

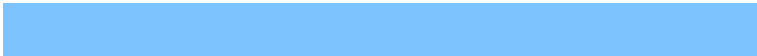


# Inverse Universe

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



29.2857, 32.3369, 57.5213



46.2764, 51.1287, 102.0375



23.2731, 20.3116, 55.5171



10.5299, 11.2339, 13.5309



10.2314, 9.8568, 36.1077



0.5561, 0.6101, 1.7336



# Previews

## White Background



This preview shows how the XYZ color 37.0732, 35.1958, 20.4623 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 37.0732, 35.1958, 20.4623 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

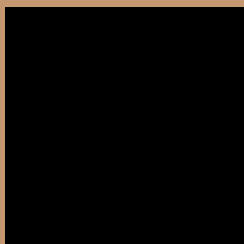
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.0732, 35.1958, 20.4623**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0732, 35.1958, 20.4623.



This preview shows how white text looks on a background with the XYZ color 37.0732, 35.1958,



# 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

37.0732, 35.1958, 20.4623

### Protanopia

32.7949, 35.1966, 21.8948

### Deuteranopia

35.9661, 35.3574, 20.2583



## Tritanopia

40.2135, 35.0686, 36.1019

# Trichromacy



## Original Color

37.0732, 35.1958, 20.4623

## Protanomaly

34.2654, 35.1987, 21.5110

## Deuteranomaly

36.3082, 35.2898, 20.2272

## Tritanomaly

38.9868, 35.0402, 29.5196

# Monochromacy



## Original Color

37.0732, 35.1958, 20.4623

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

34.2485, 34.9813, 30.9336

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0732, 35.1958, 20.4623 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(197, 151, 113)` looks like.

```
.text, #text, p{  
    color:rgb(197, 151, 113)  
}
```

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(197, 151, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 151, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0732, 35.1958, 20.4623 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(197, 151, 113) }
```



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

```
.border{ border-color:rgb(197, 151, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 151, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 151, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 151, 113);  
box-shadow:4px 4px 4px 4px rgb(197, 151,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0732, 35.1958, 20.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 151, 113) }
```

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

```
.background{ background-color: rgb(197,  
151, 113) }
```

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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