

Converting Colors

XYZ(37.6763, 35.1115, 16.8480)

Have a look what the booklet for
XYZ(37.6763, 35.1115, 16.8480)
contains.

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Color

**XYZ(37.6763, 35.1115,
16.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	CB9564
RGB	203, 149, 100
RGB Percent	80%, 58%, 39%
CMY	0.2039, 0.4157, 0.6078
CMYK	0.00, 0.27, 0.51, 0.20
HSL	29°, 50%, 59%
HSV	29°, 51%, 80%
XYZ	37.6763, 35.1115, 16.8480
YIQ	159.5600, 47.9130, -3.7910

Conversions

Conversions Part 2

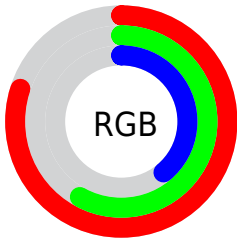
Format	Color
R _Y B	203, 193, 100
Decimal	13342052
CIE Lab	65.84, 14.55, 33.72
CIE LCh	66, 36.730, 66.655
Yxy	35.1115, 0.4203, 0.3917
Android (android.graphics.Color)	4291532132 (0xFFCB9564)
YUV	159.5600, -29.3631, 38.0969
Hunter-Lab	59.2550, 9.8001, 24.6205

Details

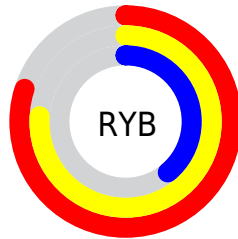
The XYZ color **37.6763, 35.1115, 16.8480** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.5901, 30.1310, 60.8615**, and the grayscale version is **33.3272, 35.0628, 38.1834**.

A 20% lighter version of the original color is **68.2634, 66.2389, 38.8933**, and **16.8416, 15.0943, 5.2747** is the 20% darker color. If you saturate the color by 10%, you get **35.2062, 31.5527, 11.7664**, and if you desaturate by 10%, it is **40.5468, 39.0793, 23.2714**.

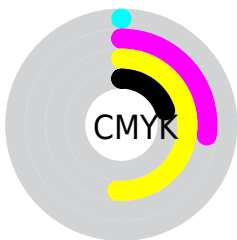
Distribution



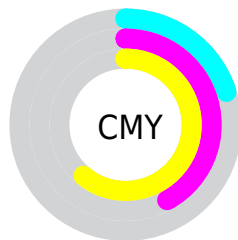
- Red (80%)
- Green (58%)
- Blue (39%)



- Red (80%)
- Yellow (76%)
- Blue (39%)



- Cyan (0%)
- Magenta (27%)
- Yellow (51%)
- Black (20%)





- Cyan (20%)
- Magenta (42%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6763, 35.1115, 16.8480 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 37.6763, 35.1115, 16.8480 by changing the saturation by 10% instead.


 37.6763, 35.1115,
16.8480


 37.6763, 35.1115,
16.8480


327.5343,
325.0602, 246.3091


 25.9076, 23.7488,
9.9654

 70.9188, 67.6585,
38.8513


 16.8869, 15.1474,
5.2707


 93.1234, 89.6115,
54.8091

 10.2487, 8.9229,
2.3454


 119.5373,
115.8634, 74.6290

 5.6277, 4.6909,
0.7565

 150.5259,
146.7986, 98.7295

 2.6585, 2.0671,
0.0000

186.4545,
182.8015, 127.5293

 0.9759, 0.6460,
0.0000

227.6885,

 0.0000, 0.0000,

224.2565, 161.4468

0.0000

274.5933,
271.5479, 200.9005

■ 37.6763, 35.1115,
16.8480

■ 37.6763, 35.1115,
16.8480

■ 35.2062, 31.5527,
11.7664

■ 40.5468, 39.0793,
23.2714

■ 33.1113, 28.3823,
7.9257

■ 43.8356, 43.4656,
31.1234

■ 31.3671, 25.5849,
5.2134

■ 47.5626, 48.2858,
40.4859

■ 29.9437, 23.1415,
3.4958

■ 51.7456, 53.5527,
51.4339

■ 28.8647, 21.1688,
2.5647

■ 56.4011, 59.2788,
64.0374

■ 61.5448, 65.4758,
78.3620

■ 67.1916, 72.1551,
94.4701

■ 72.1411, 78.8416,
106.0234

■ 75.2648, 85.0890,
107.0647

Harmonies

Analogous

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



42.4539, 35.1115, 23.0328



37.6763, 35.1115, 16.8480



32.1788, 35.1115, 15.5822

Triad

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



37.6763, 35.1115, 16.8480



24.0517, 35.1115, 41.7960



39.9910, 35.1115, 67.5330

Complementary

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



37.6763, 35.1115, 16.8480



27.5901, 30.1310, 60.8615

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.



34.5952, 35.1115, 76.2144



37.6763, 35.1115, 16.8480



25.6882, 35.1115, 58.9682

Square

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



37.6763, 35.1115, 16.8480



24.6868, 35.1115, 27.5779



29.4095, 35.1115, 72.7164



43.8882, 35.1115, 51.3239

Rectangle

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



37.6763, 35.1115, 16.8480



28.9107, 35.1115, 17.2736



29.4095, 35.1115, 72.7164



38.2711, 35.1115, 71.6033

Sweetspot

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



37.6772, 35.1132, 16.8487



83.4254, 85.6439, 77.6092



35.0967, 24.1754, 33.7978



17.5381, 17.9299, 15.7801



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.



37.6772, 35.1132, 16.8487



58.5450, 52.2321, 18.9136



47.4829, 54.7246, 20.1173



11.6452, 12.0794, 11.7972



18.4594, 13.6517, 1.6621



1.0281, 0.8559, 0.1110

Inverse Universe

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



27.5901, 30.1310, 60.8615



39.7674, 42.9431, 100.8006



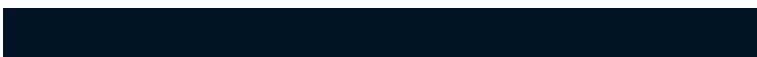
20.9288, 16.8084, 58.6410



11.0803, 11.8009, 14.2642



10.2593, 9.5427, 37.2575



0.6050, 0.6437, 1.9473

Previews

White Background



This preview shows how the XYZ color 37.6763, 35.1115, 16.8480 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 37.6763, 35.1115, 16.8480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

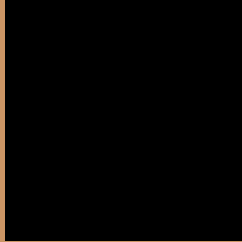
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6763, 35.1115, 16.8480

Background



This preview shows how black text looks on a background with the XYZ color 37.6763, 35.1115, 16.8480.



This preview shows how white text looks on a background with the XYZ color 37.6763, 35.1115,

16.8480.

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

37.6763, 35.1115, 16.8480

Protanopia

32.5251, 35.1398, 18.1651

Deuteranopia

35.8915, 35.1527, 16.6978



Tritanopia

41.4352, 35.0558, 34.7196

Trichromacy



Original Color

37.6763, 35.1115, 16.8480

Protanomaly

34.3442, 35.0705, 17.7911

Deuteranomaly

36.5063, 35.2276, 16.6799

Tritanomaly

39.8821, 35.0938, 27.2260

Monochromacy



Original Color

37.6763, 35.1115, 16.8480

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.3804, 34.8420, 28.9579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6763, 35.1115, 16.8480 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(203, 149, 100)` looks like.

```
.text, #text, p{  
    color:rgb(203, 149, 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(203, 149, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 149, 100) }
```

Border

The CSS property to change the border of an element to XYZ 37.6763, 35.1115, 16.8480 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(203, 149, 100) }
```


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

```
.border{ border-color:rgb(203, 149, 100) }
```

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

Here you see how a box with a 4 pixel rgb(203, 149, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 149, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 149, 100);  
box-shadow:4px 4px 4px 4px rgb(203, 149,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6763, 35.1115, 16.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 149, 100) }
```

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

```
.background{ background-color: rgb(203,  
149, 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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