

Converting Colors

XYZ(38.6914, 36.5801, 17.5922)

Have a look what the booklet for
XYZ(38.6914, 36.5801, 17.5922)
contains.

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Color

**XYZ(38.6913, 36.5791,
17.5916)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9966
RGB	204, 153, 102
RGB Percent	80%, 60%, 40%
CMY	0.2000, 0.4000, 0.6000
CMYK	0.00, 0.25, 0.50, 0.20
HSL	30°, 50%, 60%
HSV	30°, 50%, 80%
XYZ	38.6913, 36.5791, 17.5916
YIQ	162.4350, 46.7670, -5.0490

Conversions

Conversions Part 2

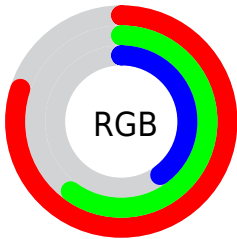
Format	Color
RYB	204, 204, 102
Decimal	13408614
CIELab	66.96, 12.98, 34.11
CIElCh	67, 36.490, 69.169
Yxy	36.5791, 0.4167, 0.3939
Android (android.graphics.Color)	4291598694 (0xFFCC9966)
YUV	162.4350, -29.7945, 36.4525
Hunter-Lab	60.4807, 8.3507, 25.0912

Details

The XYZ color **38.6913, 36.5791, 17.5916** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.7693, 29.9656, 61.4468**, and the grayscale version is **34.6677, 36.4731, 39.7192**.

A 20% lighter version of the original color is **69.3856, 68.2187, 40.0824**, and **17.4498, 15.9721, 5.6533** is the 20% darker color. If you saturate the color by 10%, you get **36.2030, 33.0273, 12.3702**, and if you desaturate by 10%, it is **41.5730, 40.5195, 24.1730**.

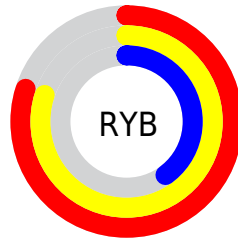
Distribution



Red (80%)

Green (60%)

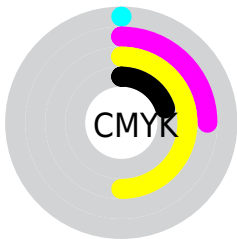
Blue (40%)



Red (80%)

Yellow (80%)

Blue (40%)

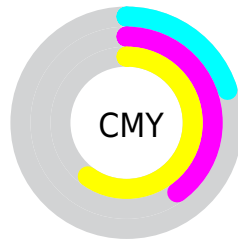


Cyan (0%)

Magenta (25%)

Yellow (50%)

Black (20%)



Cyan (20%)


Magenta (40%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6913, 36.5791, 17.5916 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 38.6913, 36.5791, 17.5916 by changing the saturation by 10% instead.


 38.6913, 36.5791,
17.5916


 38.6913, 36.5791,
17.5916

331.8061,
331.4847, 250.7172


 26.6993, 24.8818,
10.4908


 72.4636, 69.9250,
40.1447


 17.4829, 15.9890,
5.6157


 94.9746, 92.3423,
56.4340

 10.6768, 9.5164,
2.5479


 121.7226,
119.1017, 76.6233

 5.9157, 5.0795,
0.8654

 153.0731,
150.5877, 101.1310

 2.8340, 2.2940,
0.0000

189.3913,
187.1846, 130.3757

 1.0666, 0.7705,
0.0000

231.0426,

 0.0000, 0.0000,

229.2768, 164.7760

0.0000

278.3924,
277.2487, 204.7503

■ 38.6913, 36.5791,
17.5916

■ 38.6913, 36.5791,
17.5916

■ 36.2030, 33.0273,
12.3702

■ 41.5730, 40.5195,
24.1730

■ 34.0833, 29.8441,
8.4075

■ 44.8657, 44.8566,
32.2014

■ 32.3083, 27.0156,
5.5914


■ 48.5887, 49.6049,
41.7589


■ 30.8489, 24.5238,
3.7884


■ 52.7594, 54.7766,
52.9209

■ 29.6541, 22.3421,
2.7496

■ 57.3940, 60.3830,
65.7578

 29.6540, 22.3419,
2.7495

 62.5079, 66.4352,
80.3355

 68.1158, 72.9436,
96.7167

 72.5450, 79.2438,
106.0798

 75.5427, 85.2392,
107.0790

Harmonies

Analogous

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



43.6892, 36.5791, 23.5109



38.6913, 36.5791, 17.5916



33.0987, 36.5791, 16.6782

Triad

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



38.6913, 36.5791, 17.5916



25.2827, 36.5791, 44.8860



41.9326, 36.5791, 68.4434

Complementary

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



38.6913, 36.5791, 17.5916



27.7693, 29.9656, 61.4468

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.



36.4912, 36.5791, 78.1368



38.6913, 36.5791, 17.5916



27.1511, 36.5791, 62.3506

Square

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



38.6913, 36.5791, 17.5916



25.7381, 36.5791, 29.9423



31.1181, 36.5791, 75.6516



45.6942, 36.5791, 51.6814

Rectangle

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



38.6913, 36.5791, 17.5916



29.8335, 36.5791, 18.7005



31.1181, 36.5791, 75.6516



40.2173, 36.5791, 72.8148

Sweetspot

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



38.6922, 36.5809, 17.5923



83.6919, 86.1767, 77.6980



35.4031, 24.6403, 33.0274



17.6022, 18.0580, 15.8015



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.



38.6922, 36.5809, 17.5923



59.6598, 54.2623, 19.8996



48.8929, 56.9822, 20.9925



11.6680, 12.1250, 11.8048



18.7578, 14.2486, 1.7616



1.0436, 0.8869, 0.1162

Inverse Universe

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



27.7693, 29.9656, 61.4468



39.5481, 42.0821, 100.6460



21.1302, 16.6876, 59.2338



11.0574, 11.7552, 14.2566



9.9431, 8.9102, 37.1521



0.5889, 0.6115, 1.9419

Previews

White Background



This preview shows how the XYZ color 38.6913, 36.5791, 17.5916 looks on a white background.

Color Contrast Check

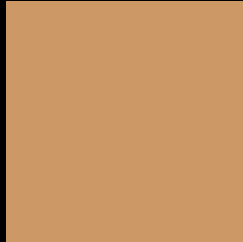
Large Text (above 18pt) WCAG AA × Fail

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 38.6913, 36.5791, 17.5916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

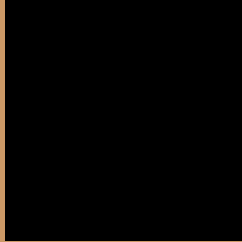
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6913, 36.5791, 17.5916

Background



This preview shows how black text looks on a background with the XYZ color 38.6913, 36.5791, 17.5916.



This preview shows how white text looks on a background with the XYZ color 38.6913, 36.5791,

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

38.6913, 36.5791, 17.5916

Protanopia

33.8302, 36.5821, 18.9137

Deuteranopia

37.2634, 36.5868, 17.4099



Tritanopia

42.6592, 36.5474, 36.7043

Trichromacy



Original Color

38.6913, 36.5791, 17.5916

Protanomaly

35.4415, 36.3810, 18.5189

Deuteranomaly

37.8897, 36.6616, 17.3913

Tritanomaly

40.9949, 36.5664, 28.5643

Monochromacy



Original Color

38.6913, 36.5791, 17.5916

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.2632, 36.0368, 29.9082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6913, 36.5791, 17.5916 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(204, 153, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 102)  
}
```

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(204, 153, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 102) }
```

Border

The CSS property to change the border of an element to XYZ 38.6913, 36.5791, 17.5916 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(204, 153, 102) }
```


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

```
.border{ border-color:rgb(204, 153, 102) }
```

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

Here you see how a box with a 4 pixel rgb(204, 153, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6913, 36.5791, 17.5916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 102) }
```

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

```
.background{ background-color: rgb(204,  
153, 102) }
```

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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