

Converting Colors

XYZ(36.8882, 35.2696, 11.6176)

Have a look what the booklet for
XYZ(36.8882, 35.2696, 11.6176)
contains.

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Color

**XYZ(36.9997, 35.3515,
11.7109)**

Conversions

Conversions Part 1

Format	Color
Hex	CB974C
RGB	203, 151, 76
RGB Percent	80%, 59%, 30%
CMY	0.2039, 0.4078, 0.7020
CMYK	0.00, 0.26, 0.63, 0.20
HSL	35°, 55%, 55%
HSV	35°, 63%, 80%
XYZ	36.9997, 35.3515, 11.7109
YIQ	157.9980, 55.0670, -12.3010

Conversions

Conversions Part 2

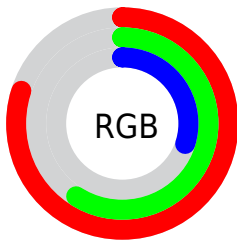
Format	Color
RYB	164, 203, 76
Decimal	13342540
CIELab	66.02, 11.54, 46.30
CIElCh	66, 47.720, 76.004
Yxy	35.3515, 0.4401, 0.4205
Android (android.graphics.Color)	4291532620 (0xFFC9974C)
YUV	157.9980, -40.4250, 39.4668
Hunter-Lab	59.4571, 7.0292, 29.9420

Details

The XYZ color **36.9997, 35.3515, 11.7109** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **21.4788, 21.2857, 59.4761**, and the grayscale version is **32.6594, 34.3602, 37.4183**.

A 20% lighter version of the original color is **66.9021, 66.4549, 29.3796**, and **16.4207, 15.2087, 3.0474** is the 20% darker color. If you saturate the color by 10%, you get **35.1117, 32.5324, 8.1321**, and if you desaturate by 10%, it is **39.2064, 38.4518, 16.4949**.

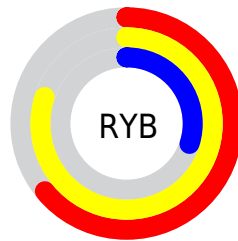
Distribution



Red (80%)

Green (59%)

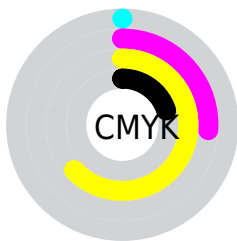
Blue (30%)



Red (64%)

Yellow (80%)

Blue (30%)

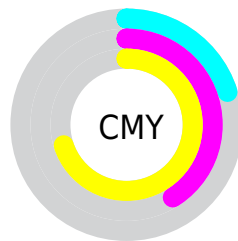


Cyan (0%)

Magenta (26%)

Yellow (63%)

Black (20%)



Cyan (20%)

Magenta (41%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9997, 35.3515, 11.7109 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 36.9997, 35.3515, 11.7109 by changing the saturation by 10% instead.


 36.9997, 35.3515,
11.7109


 36.9997, 35.3515,
11.7109


324.6648,
326.1171, 213.3914


 25.3809, 23.9338,
6.4270


 69.8862, 68.0299,
29.6239


 16.4913, 15.2845,
3.0335


 91.8846, 90.0594,
43.0902

 9.9655, 9.0193,
1.1117


 118.0735,
116.3950, 60.1209

 5.4382, 4.7538,
0.0000

 148.8185,
147.4210, 81.1347

 2.5440, 2.1035,
0.0000

 184.4847,
183.5218, 106.5501

 0.9175, 0.6666,
0.0000

225.4376,

 0.0000, 0.0000,

225.0818, 136.7857

0.0000

272.0425,
272.4854, 172.2599

■ 36.9997, 35.3515,
11.7109

■ 36.9997, 35.3515,
11.7109

■ 35.1117, 32.5324,
8.1321

■ 39.2064, 38.4518,
16.4949

■ 33.5160, 29.9766,
5.6412

■ 41.7499, 41.8394,
22.5825

■ 32.1855, 27.6715,
4.1005

■ 44.6501, 45.5263,
30.0642

■ 31.3316, 26.1028,
3.3870

■ 47.9239, 49.5224,
39.0217

■ 51.5874, 53.8367,
49.5303

■ 55.6554, 58.4779,
61.6603

■ 60.1420, 63.4543,
75.4776

■ 65.0605, 68.7737,
91.0443

■ 69.8217, 74.2029,
105.2503

Harmonies

Analogous

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



43.9650, 35.3515, 16.7140



36.9997, 35.3515, 11.7109



29.9871, 35.3515, 11.8716

Triad

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



36.9997, 35.3515, 11.7109



22.1455, 35.3515, 50.2657



44.3697, 35.3515, 72.3976

Complementary

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



36.9997, 35.3515, 11.7109



21.4788, 21.2857, 59.4761

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.



37.4931, 35.3515, 89.4107



36.9997, 35.3515, 11.7109



25.0082, 35.3515, 73.8793

Square

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



36.9997, 35.3515, 11.7109



22.0521, 35.3515, 29.8160



30.4162, 35.3515, 90.0322



48.6071, 35.3515, 48.7057

Rectangle

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



36.9997, 35.3515, 11.7109



26.2202, 35.3515, 14.7912



30.4162, 35.3515, 90.0322



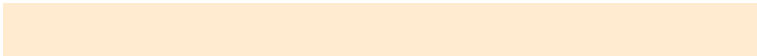
42.2501, 35.3515, 79.4025

Sweetspot

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



37.0005, 35.3532, 11.7116



82.2029, 85.2537, 70.8665



31.1700, 19.4484, 22.8513



17.2272, 17.8101, 14.1284



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.



37.0005, 35.3532, 11.7116



57.8213, 52.9533, 11.9868



44.5042, 54.4944, 15.0107



11.7538, 12.2965, 11.8334



20.0309, 16.7948, 2.1860



1.1069, 1.0135, 0.1373

Inverse Universe

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



21.4788, 21.2857, 59.4761



29.8285, 27.6624, 98.3750



17.2559, 11.4873, 57.8074



10.9726, 11.5857, 14.2283



8.9187, 6.8613, 36.8106



0.5342, 0.5021, 1.9237

Previews

White Background



This preview shows how the XYZ color 36.9997, 35.3515, 11.7109 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 36.9997, 35.3515, 11.7109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

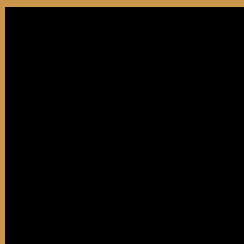
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9997, 35.3515, 11.7109

Background



This preview shows how black text looks on a background with the XYZ color 36.9997, 35.3515, 11.7109.



This preview shows how white text looks on a background with the XYZ color 36.9997, 35.3515,

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

36.9997, 35.3515, 11.7109

Protanopia

32.5162, 35.5192, 12.5392

Deuteranopia

36.2144, 35.4326, 11.5871



Tritanopia

41.7173, 35.2012, 34.7328

Trichromacy



Original Color

36.9997, 35.3515, 11.7109

Protanomaly

33.9256, 35.2288, 12.2195

Deuteranomaly

36.3177, 35.2438, 11.5452

Tritanomaly

39.5592, 34.9969, 24.0721

Monochromacy



Original Color

36.9997, 35.3515, 11.7109

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.0732, 33.9999, 25.2416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9997, 35.3515, 11.7109 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, 151, 76)` looks like.

```
.text, #text, p{  
    color:rgb(203, 151, 76)  
}
```

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, 151, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 151, 76) }
```

Border

The CSS property to change the border of an element to XYZ 36.9997, 35.3515, 11.7109 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, 151, 76) }
```


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

```
.border{ border-color:rgb(203, 151, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 151, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 151, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 151, 76);  
box-shadow:4px 4px 4px 4px rgb(203, 151,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9997, 35.3515, 11.7109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 151, 76) }
```

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

```
.background{ background-color: rgb(203,  
151, 76) }
```

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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