

Converting Colors

XYZ(35.6750, 33.8639, 16.2662)

Have a look what the booklet for
XYZ(35.6750, 33.8639, 16.2662)
contains.

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Color

**XYZ(35.5595, 33.7974,
16.2046)**

Conversions

Conversions Part 1

Format	Color
Hex	C49462
RGB	196, 148, 98
RGB Percent	77%, 58%, 38%
CMY	0.2314, 0.4196, 0.6157
CMYK	0.00, 0.24, 0.50, 0.23
HSL	31°, 45%, 58%
HSV	31°, 50%, 77%
XYZ	35.5595, 33.7974, 16.2046
YIQ	156.6520, 44.6580, -5.3740

Conversions

Conversions Part 2

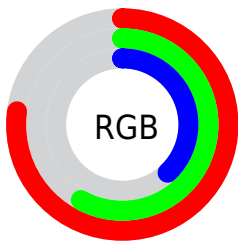
Format	Color
RYB	192, 196, 98
Decimal	12883042
CIELab	64.80, 12.00, 33.32
CIElCh	65, 35.420, 70.197
Yxy	33.7974, 0.4156, 0.3950
Android (android.graphics.Color)	4291073122 (0xFFC49462)
YUV	156.6520, -28.9154, 34.5082
Hunter-Lab	58.1355, 7.4451, 24.1685

Details

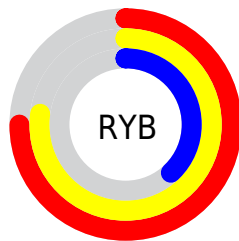
The XYZ color **35.5595, 33.7974, 16.2046** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.2793, 27.1389, 56.1305**, and the grayscale version is **32.0039, 33.6706, 36.6672**.

A 20% lighter version of the original color is **67.7853, 65.6710, 37.5369**, and **15.6656, 14.3551, 4.9628** is the 20% darker color. If you saturate the color by 10%, you get **33.3014, 30.5853, 11.4318**, and if you desaturate by 10%, it is **38.1708, 37.3532, 22.2137**.

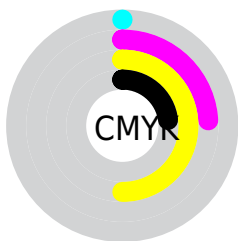
Distribution



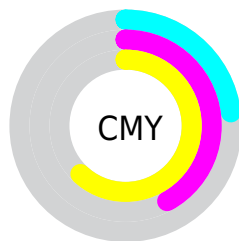
- Red (77%)
- Green (58%)
- Blue (38%)



- Red (75%)
- Yellow (77%)
- Blue (38%)



- Cyan (0%)
- Magenta (24%)
- Yellow (50%)
- Black (23%)





- Cyan (23%)
- Magenta (42%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5595, 33.7974, 16.2046 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 35.5595, 33.7974, 16.2046 by changing the saturation by 10% instead.


 35.5595, 33.7974,
16.2046


 35.5595, 33.7974,
16.2046


318.4960,
319.2277, 242.4328

 24.2627, 22.7380,
9.5131


 67.6799, 65.6185,
37.7248

 15.6544, 14.4002,
4.9760


 89.2343, 87.1490,
53.3905

 9.3692, 8.3995,
2.1747


 114.9386,
112.9386, 72.8848

 5.0418, 4.3516,
0.6597

 145.1581,
143.3717, 96.6261

 2.3068, 1.8721,
0.0000

180.2583,
178.8328, 125.0331

 0.7982, 0.5315,
0.0000

220.6044,

 0.0000, 0.0000,

219.7063, 158.5241

0.0000

266.5619,
266.3764, 197.5179

■ 35.5595, 33.7974,
16.2046

■ 35.5595, 33.7974,
16.2046

■ 33.3014, 30.5853,
11.4318

■ 38.1708, 37.3532,
22.2137

■ 31.3741, 27.6991,
7.8036

■ 41.1508, 41.2597,
29.5378

■ 29.7561, 25.1267,
5.2186

■ 44.5170, 45.5296,
38.2513

■ 28.4215, 22.8524,
3.5564

■ 48.2848, 50.1735,
48.4224

■ 27.3230, 20.8519,
2.5848

■ 52.4690, 55.2015,
60.1150

■ 27.3230, 20.8518,
2.5847

■ 57.0832, 60.6232,
73.3888

■ 62.1406, 66.4478,
88.3005

■ 67.6537, 72.6843,
104.9040

■ 70.3510, 78.0278,
105.9607

Harmonies

Analogous

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



40.2061, 33.7974, 21.4939



35.5595, 33.7974, 16.2046



30.4194, 33.7974, 15.5106

Triad

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



35.5595, 33.7974, 16.2046



23.4108, 33.7974, 41.9956



38.8732, 33.7974, 62.6722

Complementary

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



35.5595, 33.7974, 16.2046



25.2793, 27.1389, 56.1305

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.



33.8899, 33.7974, 71.9139



35.5595, 33.7974, 16.2046



25.2038, 33.7974, 58.0507

Square

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



35.5595, 33.7974, 16.2046



23.7565, 33.7974, 28.0859



28.9161, 33.7974, 70.0290



42.2549, 33.7974, 47.1515

Rectangle

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



35.5595, 33.7974, 16.2046



27.4418, 33.7974, 17.4805



28.9161, 33.7974, 70.0290



37.3093, 33.7974, 66.7806

Sweetspot

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



35.5603, 33.7990, 16.2053



83.8043, 86.4015, 77.7355



32.3993, 22.5780, 30.2544



17.6292, 18.1121, 15.8105



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.



35.5603, 33.7990, 16.2053



59.9733, 54.8893, 20.0041



44.7096, 52.0975, 19.2550



10.4885, 10.9085, 10.6146



17.6426, 13.5710, 1.6896



0.8311, 0.7241, 0.0960

Inverse Universe

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



25.2793, 27.1389, 56.1305



39.2382, 41.4622, 100.5427



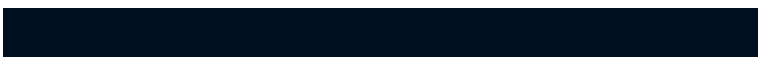
19.3688, 15.3179, 54.1604



9.9264, 10.5442, 12.7969



9.1750, 8.1066, 34.6378



0.4654, 0.4882, 1.5196

Previews

White Background



This preview shows how the XYZ color 35.5595, 33.7974, 16.2046 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 35.5595, 33.7974, 16.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

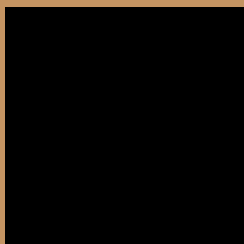
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5595, 33.7974, 16.2046

Background



This preview shows how black text looks on a background with the XYZ color 35.5595, 33.7974, 16.2046.



This preview shows how white text looks on a background with the XYZ color 35.5595, 33.7974,

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

35.5595, 33.7974, 16.2046

Protanopia

31.2498, 33.7312, 17.4341

Deuteranopia

34.2992, 33.6229, 15.9914



Tritanopia

39.2798, 33.7343, 34.1469

Trichromacy



Original Color

35.5595, 33.7974, 16.2046

Protanomaly

32.7270, 33.7541, 17.1022

Deuteranomaly

34.6433, 33.5644, 15.9619

Tritanomaly

37.6913, 33.7546, 26.3585

Monochromacy



Original Color

35.5595, 33.7974, 16.2046

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.7941, 33.5467, 28.0393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5595, 33.7974, 16.2046 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(196, 148, 98)` looks like.

```
.text, #text, p{  
    color:rgb(196, 148, 98)  
}
```

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(196, 148, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 148, 98) }
```

Border

The CSS property to change the border of an element to XYZ 35.5595, 33.7974, 16.2046 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(196, 148, 98) }
```


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

```
.border{ border-color:rgb(196, 148, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 148, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 148, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 148, 98);  
box-shadow:4px 4px 4px 4px rgb(196, 148,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5595, 33.7974, 16.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 148, 98) }
```

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

```
.background{ background-color: rgb(196,  
148, 98) }
```

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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