

Converting Colors

XYZ(35.6070, 33.8164, 16.4549)

Have a look what the booklet for
XYZ(35.6070, 33.8164, 16.4549)
contains.

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Color

**XYZ(35.6070, 33.8164,
16.4549)**

Conversions

Conversions Part 1

Format	Color
Hex	C49463
RGB	196, 148, 99
RGB Percent	77%, 58%, 39%
CMY	0.2314, 0.4196, 0.6118
CMYK	0.00, 0.24, 0.49, 0.23
HSL	30°, 45%, 58%
HSV	30°, 49%, 77%
XYZ	35.6070, 33.8164, 16.4549
YIQ	156.7660, 44.3370, -5.0630

Conversions

Conversions Part 2

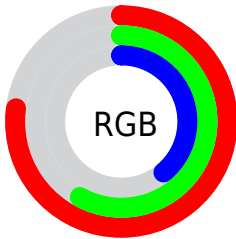
Format	Color
RYB	194, 196, 99
Decimal	12883043
CIELab	64.82, 12.09, 32.81
CIElCh	65, 34.967, 69.763
Yxy	33.8164, 0.4146, 0.3938
Android (android.graphics.Color)	4291073123 (0xFFC49463)
YUV	156.7660, -28.4786, 34.4082
Hunter-Lab	58.1519, 7.5316, 23.9294

Details

The XYZ color **35.6070, 33.8164, 16.4549** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.5427, 27.5046, 56.1871**, and the grayscale version is **32.0533, 33.7226, 36.7239**.

A 20% lighter version of the original color is **67.8656, 65.7031, 37.9592**, and **15.6875, 14.3639, 5.0776** is the 20% darker color. If you saturate the color by 10%, you get **33.3235, 30.5713, 11.6185**, and if you desaturate by 10%, it is **38.2471, 37.4107, 22.5327**.

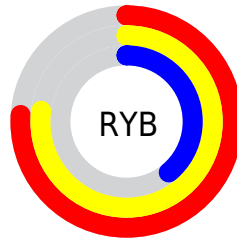
Distribution



Red (77%)

Green (58%)

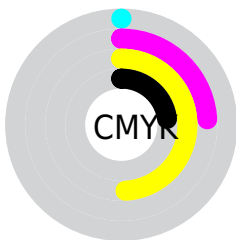
Blue (39%)



Red (76%)

Yellow (77%)

Blue (39%)

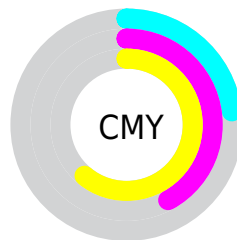


Cyan (0%)

Magenta (24%)

Yellow (49%)

Black (23%)



Cyan (23%)


Magenta (42%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6070, 33.8164, 16.4549 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 35.6070, 33.8164, 16.4549 by changing the saturation by 10% instead.


 35.6070, 33.8164,
16.4549


 35.6070, 33.8164,
16.4549


318.7008,
319.3126, 243.9479


 24.2995, 22.7526,
9.6888


 67.7529, 65.6481,
38.1639


 15.6819, 14.4109,
5.0902


 89.3220, 87.1847,
53.9438

 9.3888, 8.4070,
2.2406


 115.0424,
112.9810, 73.5654

 5.0547, 4.3565,
0.6977

 145.2794,
143.4215, 97.4473

 2.3145, 1.8749,
0.0000

180.3984,
178.8905, 126.0079

 0.8021, 0.5332,
0.0000

220.7648,

 0.0000, 0.0000,

219.7725, 159.6659

0.0000

266.7438,
266.4517, 198.8397

■ 35.6070, 33.8164,
16.4549

■ 35.6070, 33.8164,
16.4549

■ 33.3235, 30.5713,
11.6185

■ 38.2471, 37.4107,
22.5327

■ 31.3741, 27.6576,
7.9324

■ 41.2593, 41.3612,
29.9302

■ 29.7376, 25.0628,
5.2958

■ 44.6612, 45.6811,
38.7217

■ 28.3880, 22.7712,
3.5893

■ 48.4682, 50.3808,
48.9750

■ 27.2812, 20.7595,
2.5979

■ 52.6950, 55.4708,
60.7538

■ 27.2286, 20.6630,
2.5533

■ 57.3554, 60.9607,
74.1178

■ 62.4626, 66.8598,
89.1235

■ 67.8998, 73.1256,
105.1437

■ 70.6057, 78.5373,
106.0456

Harmonies

Analogous

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



40.1705, 33.8164, 21.7838



35.6070, 33.8164, 16.4549



30.5279, 33.8164, 15.7012

Triad

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



35.6070, 33.8164, 16.4549



23.5152, 33.8164, 41.7239



38.7383, 33.8164, 62.5029

Complementary

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



35.6070, 33.8164, 16.4549



25.5427, 27.5046, 56.1871

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.



33.8109, 33.8164, 71.4517



35.6070, 33.8164, 16.4549



25.2607, 33.8164, 57.5485

Square

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



35.6070, 33.8164, 16.4549



23.8885, 33.8164, 28.0403



28.9084, 33.8164, 69.4335



42.1051, 33.8164, 47.2649

Rectangle

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



35.6070, 33.8164, 16.4549



27.5721, 33.8164, 17.6186



28.9084, 33.8164, 69.4335



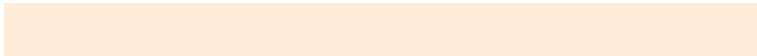
37.1897, 33.8164, 66.5060

Sweetspot

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



35.6078, 33.8180, 16.4556



83.7486, 86.2902, 77.7169



32.5328, 22.7821, 30.4929



17.6158, 18.0853, 15.8060



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.



35.6078, 33.8180, 16.4556



60.2007, 55.1387, 20.7136



44.7570, 52.1164, 19.5053



10.4843, 10.9000, 10.6132



17.5819, 13.4495, 1.6693



0.8286, 0.7189, 0.0951

Inverse Universe

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



25.5427, 27.5046, 56.1871



39.9416, 42.4333, 100.6930



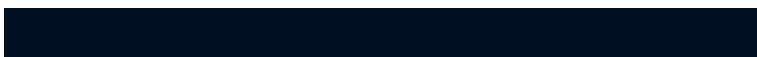
19.5715, 15.5622, 54.1968



9.9307, 10.5527, 12.7983



9.2336, 8.2237, 34.6573



0.4679, 0.4933, 1.5204

Previews

White Background



This preview shows how the XYZ color 35.6070, 33.8164, 16.4549 looks on a white background.

Color Contrast Check

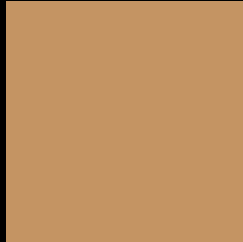
Large Text (above 18pt) WCAG AA × Fail

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 35.6070, 33.8164, 16.4549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

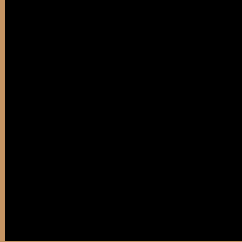
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6070, 33.8164, 16.4549

Background



This preview shows how black text looks on a background with the XYZ color 35.6070, 33.8164, 16.4549.



This preview shows how white text looks on a background with the XYZ color 35.6070, 33.8164,

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

35.6070, 33.8164, 16.4549

Protanopia

31.4696, 34.0909, 17.7535

Deuteranopia

34.3462, 33.6417, 16.2385



Tritanopia

39.2798, 33.7343, 34.1469

Trichromacy



Original Color

35.6070, 33.8164, 16.4549

Protanomaly

32.7763, 33.7738, 17.3619

Deuteranomaly

34.6903, 33.5832, 16.2091

Tritanomaly

37.7601, 33.7821, 26.7207

Monochromacy



Original Color

35.6070, 33.8164, 16.4549

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 35.6070, 33.8164, 16.4549 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(196, 148, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 148, 99) }
```

Border

The CSS property to change the border of an element to XYZ 35.6070, 33.8164, 16.4549 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, 99) }
```


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

```
.border{ border-color:rgb(196, 148, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 148, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 148, 99);  
box-shadow:4px 4px 4px 4px rgb(196, 148,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6070, 33.8164, 16.4549 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, 99) }
```

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

```
.background{ background-color: rgb(196,  
148, 99) }
```

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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