

Converting Colors

XYZ(36.5669, 35.5022, 16.8969)

Have a look what the booklet for
XYZ(36.5669, 35.5022, 16.8969)
contains.

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Color

**XYZ(36.4564, 35.4383,
16.9754)**

Conversions

Conversions Part 1

Format	Color
Hex	C49964
RGB	196, 153, 100
RGB Percent	77%, 60%, 39%
CMY	0.2314, 0.4000, 0.6078
CMYK	0.00, 0.22, 0.49, 0.23
HSL	33°, 45%, 58%
HSV	33°, 49%, 77%
XYZ	36.4564, 35.4383, 16.9754
YIQ	159.8150, 42.6410, -7.3670

Conversions

Conversions Part 2

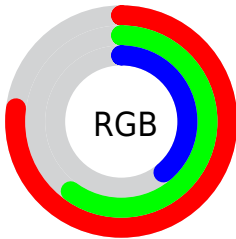
Format	Color
RYB	178, 196, 100
Decimal	12884324
CIELab	66.09, 9.46, 33.89
CIELCh	66, 35.184, 74.409
Yxy	35.4383, 0.4102, 0.3988
Android (android.graphics.Color)	4291074404 (0xFFC49964)
YUV	159.8150, -29.4888, 31.7342
Hunter-Lab	59.5301, 5.1363, 24.7641

Details

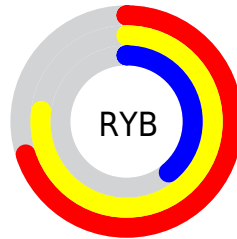
The XYZ color **36.4564, 35.4383, 16.9754** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.0414, 26.3387, 55.9884**, and the grayscale version is **33.4469, 35.1887, 38.3205**.

A 20% lighter version of the original color is **68.8534, 67.9635, 39.1951**, and **16.1864, 15.3261, 5.3539** is the 20% darker color. If you saturate the color by 10%, you get **34.2354, 32.3362, 12.1046**, and if you desaturate by 10%, it is **39.0131, 38.8465, 23.0847**.

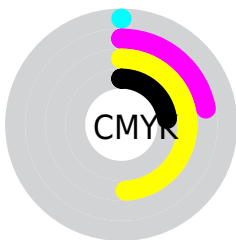
Distribution



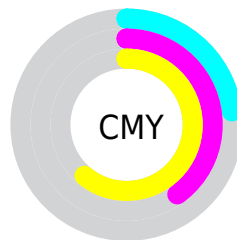
- Red (77%)
- Green (60%)
- Blue (39%)



- Red (70%)
- Yellow (77%)
- Blue (39%)



- Cyan (0%)
- Magenta (22%)
- Yellow (49%)
- Black (23%)





- Cyan (23%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4564, 35.4383, 16.9754 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 36.4564, 35.4383, 16.9754 by changing the saturation by 10% instead.


 36.4564, 35.4383,
16.9754


 36.4564, 35.4383,
16.9754


322.3476,
326.4988, 247.0697


 24.9586, 24.0007,
10.0552


 69.0552, 68.1642,
39.0735

 16.1748, 15.3341,
5.3295


 90.8869, 90.2213,
55.0886

 9.7396, 9.0542,
2.3797


 116.8941,
116.5870, 74.9722

 5.2876, 4.7766,
0.7754

 147.4419,
147.6458, 99.1431

 2.4534, 2.1168,
0.0000

182.8958,
183.7819, 128.0198

 0.8718, 0.6740,
0.0000

223.6211,

 0.0000, 0.0000,

225.3799, 162.0208

0.0000

269.9833,
272.8240, 201.5646

■ 36.4564, 35.4383,
16.9754

■ 36.4564, 35.4383,
16.9754

■ 34.2354, 32.3362,
12.1046

■ 39.0131, 38.8465,
23.0847

■ 32.3285, 29.5239,
8.3817

■ 41.9200, 42.5662,
30.5101

■ 30.7155, 26.9910,
5.7072


■ 45.1939, 46.6086,
39.3250


■ 29.3716, 24.7236,
3.9632

■ 48.8496, 50.9831,
49.5972

■ 28.2566, 22.7017,
2.9501


■ 52.9008, 55.6984,
61.3897

 28.1504, 22.5068,
2.8606

 57.3606, 60.7628,
74.7617

 62.2417, 66.1845,
89.7695

 67.2643, 71.8545,
104.9318

 69.6740, 76.6740,
105.7351

Harmonies

Analogous

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



41.3829, 35.4383, 21.7487



36.4564, 35.4383, 16.9754



31.2439, 35.4383, 16.8867

Triad

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



36.4564, 35.4383, 16.9754



24.8582, 35.4383, 46.1996



41.2151, 35.4383, 63.0101

Complementary

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



36.4564, 35.4383, 16.9754



25.0414, 26.3387, 55.9884

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.



36.2459, 35.4383, 73.7074



36.4564, 35.4383, 16.9754



27.0029, 35.4383, 62.4302

Square

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



36.4564, 35.4383, 16.9754



24.9020, 35.4383, 31.3574



31.0540, 35.4383, 73.4713



44.3180, 35.4383, 46.8487

Rectangle

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



36.4564, 35.4383, 16.9754



28.3179, 35.4383, 19.3811



31.0540, 35.4383, 73.4713



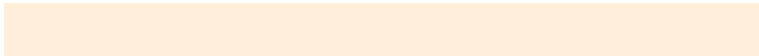
39.6863, 35.4383, 67.5301

Sweetspot

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



36.4573, 35.4400, 16.9761



84.2683, 87.3296, 77.8902



32.2953, 22.8396, 28.7727



17.7409, 18.3354, 15.8477



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.



36.4573, 35.4400, 16.9761



61.6685, 58.0742, 21.2028



43.5763, 51.5021, 19.7012



10.5239, 10.9792, 10.6264



18.1750, 14.6357, 1.8670



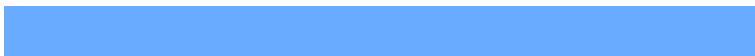
0.8533, 0.7683, 0.1033

Inverse Universe

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



25.0414, 26.3387, 55.9884



38.5625, 39.6752, 100.2334



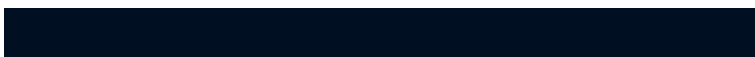
20.3235, 16.0914, 54.2591



9.8914, 10.4741, 12.7852



8.7163, 7.1892, 34.4849



0.4453, 0.4480, 1.5129

Previews

White Background



This preview shows how the XYZ color 36.4564, 35.4383, 16.9754 looks on a white background.

Color Contrast Check

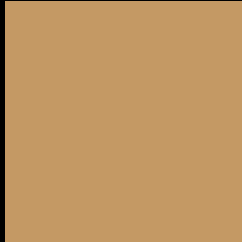
Large Text (above 18pt) WCAG AA × Fail

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 36.4564, 35.4383, 16.9754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

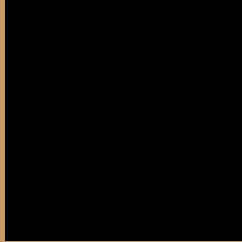
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4564, 35.4383, 16.9754

Background



This preview shows how black text looks on a background with the XYZ color 36.4564, 35.4383, 16.9754.



This preview shows how white text looks on a background with the XYZ color 36.4564, 35.4383,

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

36.4564, 35.4383, 16.9754

Protanopia

32.8722, 35.5830, 17.9676

Deuteranopia

36.1040, 35.5006, 17.0060



Tritanopia

40.4521, 35.4096, 36.6010

Trichromacy



Original Color

36.4564, 35.4383, 16.9754

Protanomaly

34.1536, 35.4803, 17.6187

Deuteranomaly

36.3615, 35.6334, 17.0181

Tritanomaly

38.7446, 35.4146, 28.0862

Monochromacy



Original Color

36.4564, 35.4383, 16.9754

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.8780, 34.8332, 28.9827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4564, 35.4383, 16.9754 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, 153, 100)` looks like.

```
.text, #text, p{  
    color:rgb(196, 153, 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(196, 153, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 153, 100) }
```

Border

The CSS property to change the border of an element to XYZ 36.4564, 35.4383, 16.9754 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, 153, 100) }
```


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

```
.border{ border-color:rgb(196, 153, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 153, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 153, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 153, 100);  
box-shadow:4px 4px 4px 4px rgb(196, 153,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4564, 35.4383, 16.9754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 153, 100) }
```

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

```
.background{ background-color: rgb(196,  
153, 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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