

Converting Colors

XYZ(37.9717, 35.5104, 16.1769)

Have a look what the booklet for
XYZ(37.9717, 35.5104, 16.1769)
contains.

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Color

**XYZ(37.9659, 35.5131,
16.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9661
RGB	204, 150, 97
RGB Percent	80%, 59%, 38%
CMY	0.2000, 0.4117, 0.6196
CMYK	0.00, 0.26, 0.52, 0.20
HSL	30°, 51%, 59%
HSV	30°, 52%, 80%
XYZ	37.9659, 35.5131, 16.1630
YIQ	160.1040, 49.1970, -5.0350

Conversions

Conversions Part 2

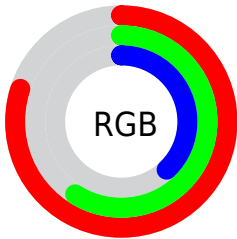
Format	Color
R_{YB}	204, 202, 97
Decimal	13407841
CIE _{Lab}	66.15, 14.15, 35.73
CIE _{LCh}	66, 38.435, 68.392
Yxy	35.5131, 0.4235, 0.3962
Android (android.graphics.Color)	4291597921 (0xFFCC9661)
YUV	160.1040, -31.1103, 38.4968
Hunter-Lab	59.5929, 9.4327, 25.6342

Details

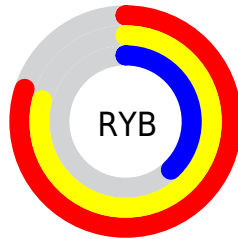
The XYZ color **37.9659, 35.5131, 16.1630** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.8951, 29.0332, 61.3131**, and the grayscale version is **33.5854, 35.3345, 38.4793**.

A 20% lighter version of the original color is **68.2577, 66.6157, 37.6943**, and **17.0488, 15.3485, 4.9697** is the 20% darker color. If you saturate the color by 10%, you get **35.5632, 32.0393, 11.2575**, and if you desaturate by 10%, it is **40.7592, 39.3769, 22.4060**.

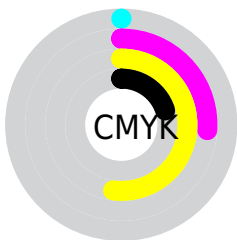
Distribution



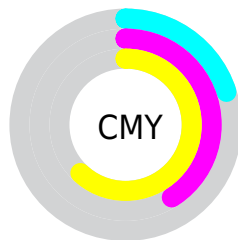
- Red (80%)
- Green (59%)
- Blue (38%)



- Red (80%)
- Yellow (79%)
- Blue (38%)



- Cyan (0%)
- Magenta (26%)
- Yellow (52%)
- Black (20%)





- Cyan (20%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9659, 35.5131, 16.1630 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 37.9659, 35.5131, 16.1630 by changing the saturation by 10% instead.


 37.9659, 35.5131,
16.1630


 37.9659, 35.5131,
16.1630


328.7571,
326.8274, 242.1801


 26.1333, 24.0584,
9.4840


 71.3601, 68.2799,
37.6517


 17.0566, 15.3769,
4.9571


 93.6524, 90.3607,
53.2984

 10.3704, 9.0844,
2.1638


 120.1621,
116.7524, 72.7714

 5.7094, 4.7962,
0.6534

 151.2543,
147.8394, 96.4893

 2.7082, 2.1282,
0.0000

187.2946,
184.0059, 124.8706

 1.0014, 0.6804,
0.0000

228.6483,

 0.0000, 0.0000,

225.6365, 158.3338

0.0000

275.6806,
273.1155, 197.2974

■ 37.9659, 35.5131,
16.1630

■ 37.9659, 35.5131,
16.1630

■ 35.5632, 32.0393,
11.2575

■ 40.7592, 39.3769,
22.4060

■ 33.5258, 28.9353,
7.5854

■ 43.9613, 43.6394,
30.0758

■ 31.8286, 26.1862,
5.0301

■ 47.5920, 48.3155,
39.2564

■ 30.4412, 23.7735,
3.4514

■ 51.6691, 53.4175,
50.0243

■ 29.5608, 22.1554,
2.7184

■ 56.2090, 58.9573,
62.4513

■ 61.2276, 64.9462,
76.6043

■ 66.7396, 71.3948,
92.5468

■ 71.9102, 77.9741,
105.8682

■ 74.8995, 83.9526,
106.8646

Harmonies

Analogous

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



43.1232, 35.5131, 22.2269



37.9659, 35.5131, 16.1630



32.1751, 35.5131, 15.1372

Triad

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



37.9659, 35.5131, 16.1630



24.0058, 35.5131, 43.4467



41.0512, 35.5131, 68.9614

Complementary

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



37.9659, 35.5131, 16.1630



26.8951, 29.0332, 61.3131

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.



35.3840, 35.5131, 78.9203



37.9659, 35.5131, 16.1630



25.8510, 35.5131, 61.6985

Square

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



37.9659, 35.5131, 16.1630



24.5312, 35.5131, 28.1950



29.8660, 35.5131, 75.9415



45.0398, 35.5131, 51.4574

Rectangle

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



37.9659, 35.5131, 16.1630



28.7925, 35.5131, 17.0593



29.8660, 35.5131, 75.9415



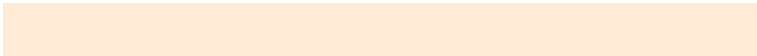
39.2554, 35.5131, 73.4989

Sweetspot

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



37.9668, 35.5148, 16.1637



82.9431, 85.2052, 75.8270



34.8675, 23.6634, 32.5577



17.4512, 17.8597, 15.4319



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.



37.9668, 35.5148, 16.1637



58.3988, 52.3198, 17.6930



48.2310, 56.0433, 19.5851



11.6636, 12.1162, 11.8034



18.6989, 14.1308, 1.7420



1.0406, 0.8808, 0.1152

Inverse Universe

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



26.8951, 29.0332, 61.3131



38.1138, 40.4416, 100.4049



20.2705, 15.7841, 59.1050



11.0618, 11.7640, 14.2580



10.0027, 9.0293, 37.1719



0.5919, 0.6176, 1.9430

Previews

White Background



This preview shows how the XYZ color 37.9659, 35.5131, 16.1630 looks on a white background.

Color Contrast Check

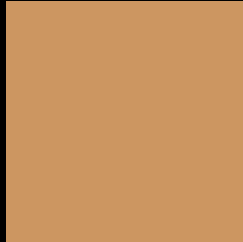
Large Text (above 18pt) WCAG AA × Fail

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 37.9659, 35.5131, 16.1630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

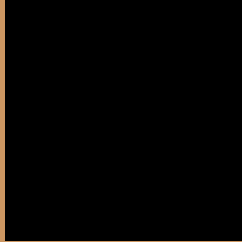
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9659, 35.5131, 16.1630

Background



This preview shows how black text looks on a background with the XYZ color 37.9659, 35.5131, 16.1630.



This preview shows how white text looks on a background with the XYZ color 37.9659, 35.5131,

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

37.9659, 35.5131, 16.1630

Protanopia

32.9983, 35.6594, 17.4557

Deuteranopia

36.1726, 35.5578, 16.0232



Tritanopia

41.9497, 35.5333, 35.2195

Trichromacy



Original Color

37.9659, 35.5131, 16.1630

Protanomaly

34.6069, 35.4731, 17.0796

Deuteranomaly

36.7913, 35.6328, 16.0050

Tritanomaly

40.2446, 35.5166, 26.9246

Monochromacy



Original Color

37.9659, 35.5131, 16.1630

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.3083, 34.8132, 28.5783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9659, 35.5131, 16.1630 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, 150, 97)` looks like.

```
.text, #text, p{  
    color:rgb(204, 150, 97)  
}
```

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, 150, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 150, 97) }
```

Border

The CSS property to change the border of an element to XYZ 37.9659, 35.5131, 16.1630 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, 150, 97) }
```


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

```
.border{ border-color:rgb(204, 150, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 150, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 150, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 150, 97);  
box-shadow:4px 4px 4px 4px rgb(204, 150,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9659, 35.5131, 16.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 150, 97) }
```

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

```
.background{ background-color: rgb(204,  
150, 97) }
```

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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