

Converting Colors

XYZ(36.5158, 31.4091, 16.7083)

Have a look what the booklet for
XYZ(36.5158, 31.4091, 16.7083)
contains.

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Color

**XYZ(36.5158, 31.4091,
16.7083)**

Conversions

Conversions Part 1

Format	Color
Hex	CE8766
RGB	206, 135, 102
RGB Percent	81%, 53%, 40%
CMY	0.1922, 0.4706, 0.6000
CMYK	0.00, 0.34, 0.50, 0.19
HSL	19°, 51%, 60%
HSV	19°, 50%, 81%
XYZ	36.5158, 31.4091, 16.7083
YIQ	152.4670, 52.9090, 4.7890

Conversions

Conversions Part 2

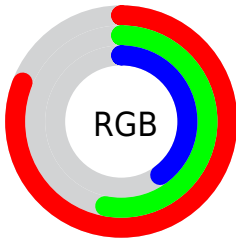
Format	Color
R _Y B	206, 150, 102
Decimal	13535078
CIE Lab	62.85, 23.61, 28.88
CIE LCh	63, 37.297, 50.734
Yxy	31.4091, 0.4315, 0.3711
Android (android.graphics.Color)	4291725158 (0xFFCE8766)
YUV	152.4670, -24.8802, 46.9484
Hunter-Lab	56.0438, 18.2264, 21.5546

Details

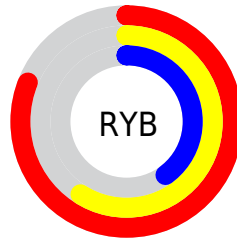
The XYZ color **36.5158, 31.4091, 16.7083** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.5627, 37.1661, 63.9024**, and the grayscale version is **30.1360, 31.7054, 34.5272**.

A 20% lighter version of the original color is **65.1874, 59.9551, 38.2737**, and **16.3088, 13.1529, 5.1692** is the 20% darker color. If you saturate the color by 10%, you get **33.7843, 27.3829, 11.3685**, and if you desaturate by 10%, it is **39.7619, 36.0583, 23.4725**.

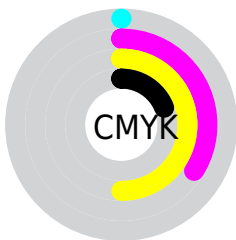
Distribution



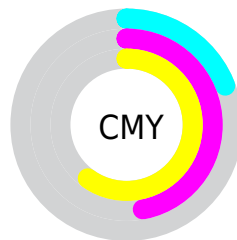
- Red (81%)
- Green (53%)
- Blue (40%)



- Red (81%)
- Yellow (59%)
- Blue (40%)



- Cyan (0%)
- Magenta (34%)
- Yellow (50%)
- Black (19%)





- Cyan (19%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5158, 31.4091, 16.7083 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 36.5158, 31.4091, 16.7083 by changing the saturation by 10% instead.


 36.5158, 31.4091,
16.7083


 36.5158, 31.4091,
16.7083


322.6015,
308.4186, 245.4725


 25.0048, 20.9106,
9.8670


 69.1461, 61.8836,
38.6073

 16.2094, 13.0586,
5.2064


 90.9961, 82.6283,
54.5021

 9.7642, 7.4689,
2.3080


 117.0232,
107.5573, 74.2518

 5.3040, 3.7571,
0.7357

 147.5926,
137.0548, 98.2749

 2.4633, 1.5386,
0.0000

183.0698,
171.5053, 126.9900

 0.8768, 0.3157,
0.0000

223.8201,

 0.0000, 0.0000,

211.2932, 160.8156

0.0000

270.2089,
256.8028, 200.1702

■ 36.5158, 31.4091,
16.7083

■ 36.5158, 31.4091,
16.7083

■ 33.7843, 27.3829,
11.3685

■ 39.7619, 36.0583,
23.4725

■ 31.5357, 23.9471,
7.3470

■ 43.5470, 41.3518,
31.7530

■ 29.7383, 21.0732,
4.5256

■ 47.8966, 47.3155,
41.6362

■ 28.3546, 18.7277,
2.7637

■ 52.8338, 53.9724,
53.2011

■ 27.3654, 16.9456,
1.8285

■ 58.3804, 61.3444,
66.5218

■ 64.5570, 69.4524,
81.6678

■ 71.3832, 78.3166,
98.7047

■ 76.9188, 87.1725,
107.3797

■ 79.2634, 91.8617,
108.1612

Harmonies

Analogous

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



40.0205, 31.4091, 25.1708



36.5158, 31.4091, 16.7083



31.4640, 31.4091, 13.2624

Triad

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



36.5158, 31.4091, 16.7083



21.1662, 31.4091, 29.8644



33.4698, 31.4091, 67.8546

Complementary

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



36.5158, 31.4091, 16.7083



31.5627, 37.1661, 63.9024

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.



28.2987, 31.4091, 70.1792



36.5158, 31.4091, 16.7083



21.5729, 31.4091, 45.1632

Square

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



36.5158, 31.4091, 16.7083



22.8725, 31.4091, 19.2988



24.0551, 31.4091, 60.9472



38.1272, 31.4091, 55.2861

Rectangle

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



36.5158, 31.4091, 16.7083



28.0601, 31.4091, 13.3292



24.0551, 31.4091, 60.9472



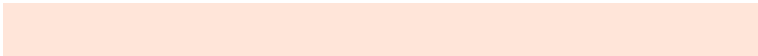
31.7216, 31.4091, 69.9771

Sweetspot

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



36.5166, 31.4107, 16.7089



81.7205, 82.2340, 77.0409



37.7542, 25.6444, 42.5290



17.1296, 17.1128, 15.6439



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.



36.5166, 31.4107, 16.7089



54.2319, 43.6059, 17.4759



45.6079, 49.5933, 19.7393



11.4981, 11.7851, 11.7482



16.9286, 10.5901, 1.1519



0.9417, 0.6832, 0.0822

Inverse Universe

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



31.5627, 37.1661, 63.9024



45.2284, 53.8651, 102.6209



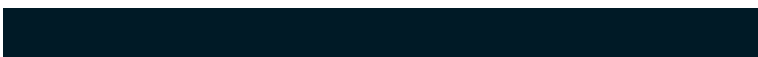
23.4657, 20.9722, 61.2034



11.2314, 12.1032, 14.3146



12.7816, 14.5873, 38.0982



0.7258, 0.8853, 1.9876

Previews

White Background



This preview shows how the XYZ color 36.5158, 31.4091, 16.7083 looks on a white background.

Color Contrast Check

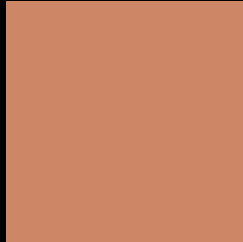
Large Text (above 18pt) WCAG AA × Fail

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 36.5158, 31.4091, 16.7083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

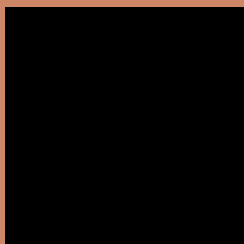
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5158, 31.4091, 16.7083

Background



This preview shows how black text looks on a background with the XYZ color 36.5158, 31.4091, 16.7083.



This preview shows how white text looks on a background with the XYZ color 36.5158, 31.4091,

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

36.5158, 31.4091, 16.7083

Protanopia

29.2984, 31.4531, 18.9949

Deuteranopia

32.1076, 31.5451, 16.4532



Tritanopia

39.0108, 31.4140, 28.8184

Trichromacy



Original Color

36.5158, 31.4091, 16.7083

Protanomaly

31.4708, 31.1821, 17.9957

Deuteranomaly

33.5078, 31.3620, 16.5993

Tritanomaly

38.0296, 31.4188, 23.7987

Monochromacy



Original Color

36.5158, 31.4091, 16.7083

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.5952, 31.0497, 26.8822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5158, 31.4091, 16.7083 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(206, 135, 102)` looks like.

```
.text, #text, p{  
    color:rgb(206, 135, 102)  
}
```

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(206, 135, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 135, 102) }
```

Border

The CSS property to change the border of an element to XYZ 36.5158, 31.4091, 16.7083 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(206, 135, 102) }
```


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

```
.border{ border-color:rgb(206, 135, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 135, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 135, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 135, 102);  
box-shadow:4px 4px 4px 4px rgb(206, 135,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5158, 31.4091, 16.7083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 135, 102) }
```

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

```
.background{ background-color: rgb(206,  
135, 102) }
```

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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