

Converting Colors

XYZ(37.0347, 31.5869, 20.6998)

Have a look what the booklet for
XYZ(37.0347, 31.5869, 20.6998)
contains.

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Color

**XYZ(36.9932, 31.5680,
20.6665)**

Conversions

Conversions Part 1

Format	Color
Hex	CD8774
RGB	205, 135, 116
RGB Percent	80%, 53%, 45%
CMY	0.1961, 0.4706, 0.5451
CMYK	0.00, 0.34, 0.43, 0.20
HSL	13°, 47%, 63%
HSV	13°, 43%, 80%
XYZ	36.9932, 31.5680, 20.6665
YIQ	153.7640, 47.8190, 8.9310

Conversions

Conversions Part 2

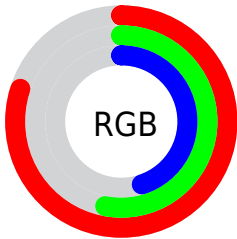
Format	Color
R _Y B	205, 140, 116
Decimal	13469556
CIE Lab	62.98, 24.61, 21.24
CIE LCh	63, 32.510, 40.797
Yxy	31.5680, 0.4146, 0.3538
Android (android.graphics.Color)	4291659636 (0xFFCD8774)
YUV	153.7640, -18.6177, 44.9340
Hunter-Lab	56.1854, 19.2022, 17.5213

Details

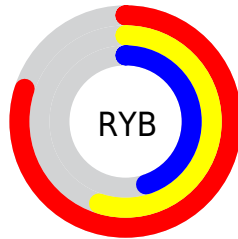
The XYZ color **36.9932, 31.5680, 20.6665** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.7801, 43.2369, 64.2173**, and the grayscale version is **30.6767, 32.2743, 35.1467**.

A 20% lighter version of the original color is **66.5055, 60.4823, 45.2148**, and **16.5046, 13.2103, 7.1488** is the 20% darker color. If you saturate the color by 10%, you get **33.8481, 26.9803, 14.3700**, and if you desaturate by 10%, it is **40.7437, 36.9454, 28.4635**.

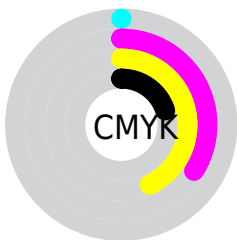
Distribution



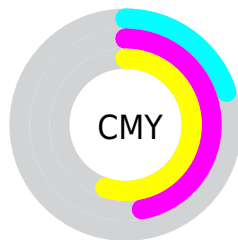
- Red (80%)
- Green (53%)
- Blue (45%)



- Red (80%)
- Yellow (55%)
- Blue (45%)



- Cyan (0%)
- Magenta (34%)
- Yellow (43%)
- Black (20%)





- Cyan (20%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9932, 31.5680, 20.6665 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 36.9932, 31.5680, 20.6665 by changing the saturation by 10% instead.


 36.9932, 31.5680,
20.6665


 36.9932, 31.5680,
20.6665


324.6371,
309.1466, 268.2234


 25.3759, 21.0317,
12.6916


 69.8762, 62.1332,
45.4054

 16.4875, 13.1472,
7.0883


 91.8726, 82.9310,
63.0065

 9.9628, 7.5300,
3.4381


 118.0595,
107.9181, 84.6533

 5.4364, 3.7957,
1.3224

148.8020,
137.4788, 110.7645

 2.5429, 1.5600,
0.0801

184.4657,
171.9977, 141.7585

 0.9169, 0.3304,
0.0000

225.4159,

 0.0000, 0.0000,

211.8590, 178.0540

0.0000

272.0179,
257.4472, 220.0694

■ 36.9932, 31.5680,
20.6665

■ 36.9932, 31.5680,
20.6665

■ 33.8481, 26.9803,
14.3700

■ 40.7437, 36.9454,
28.4635

■ 31.2733, 23.1400,
9.4750

■ 45.1274, 43.1428,
37.8478

■ 29.2334, 20.0081,
5.8732


■ 50.1732, 50.1946,
48.9015


■ 27.6881, 17.5397,
3.4396


■ 55.9077, 58.1317,
61.7007


■ 26.5902, 15.6845,
2.0239

■ 62.3556, 66.9837,
76.3167

 26.0691, 14.7637,
1.4757

 69.5407, 76.7786,
92.8169

 76.7522, 87.2500,
107.4034

 78.9868, 91.7191,
108.1483

Harmonies

Analogous

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



39.2645, 31.5680, 29.9640



36.9932, 31.5680, 20.6665



32.9214, 31.5680, 15.9722

Triad

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



36.9932, 31.5680, 20.6665



22.5972, 31.5680, 26.8944



31.6436, 31.5680, 64.6669

Complementary

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



36.9932, 31.5680, 20.6665



35.7801, 43.2369, 64.2173

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.



27.2651, 31.5680, 63.2539



36.9932, 31.5680, 20.6665



22.3284, 31.5680, 39.1928

Square

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



36.9932, 31.5680, 20.6665



24.7315, 31.5680, 18.9015



23.9565, 31.5680, 53.0954



35.9782, 31.5680, 56.5787

Rectangle

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



36.9932, 31.5680, 20.6665



29.8851, 31.5680, 15.1659



23.9565, 31.5680, 53.0954



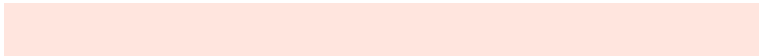
30.1241, 31.5680, 65.3296

Sweetspot

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



36.9940, 31.5696, 20.6671



82.4043, 82.5250, 80.5876



40.4134, 29.0666, 50.6066



17.2205, 17.0828, 16.3272



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.



36.9940, 31.5696, 20.6671



55.7984, 44.7165, 24.2328



44.3095, 46.2005, 23.1056



11.4033, 11.5955, 11.7166



16.2862, 9.3053, 0.9377



0.8972, 0.5941, 0.0674

Inverse Universe

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



35.7801, 43.2369, 64.2173



53.5160, 66.1532, 104.5560



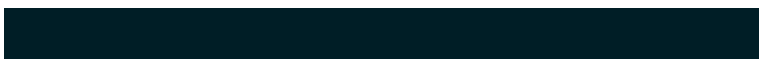
27.9997, 27.6761, 61.6238



11.3321, 12.3046, 14.3481



14.8902, 18.8044, 38.8011



0.8203, 1.0743, 2.0191

Previews

White Background



This preview shows how the XYZ color 36.9932, 31.5680, 20.6665 looks on a white background.

Color Contrast Check

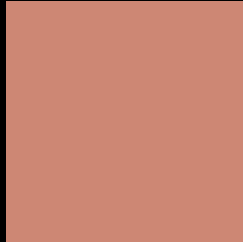
Large Text (above 18pt) WCAG AA × Fail

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 36.9932, 31.5680, 20.6665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

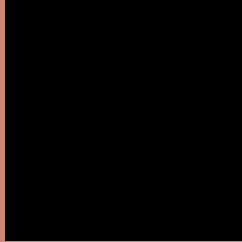
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9932, 31.5680, 20.6665

Background



This preview shows how black text looks on a background with the XYZ color 36.9932, 31.5680, 20.6665.



This preview shows how white text looks on a background with the XYZ color 36.9932, 31.5680,

20.6665.

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

36.9932, 31.5680, 20.6665

Protanopia

29.7666, 31.5931, 23.5980

Deuteranopia

32.1385, 31.4760, 20.3012



Tritanopia

38.6561, 31.4211, 29.2268

Trichromacy



Original Color

36.9932, 31.5680, 20.6665

Protanomaly

32.0902, 31.4032, 22.4593

Deuteranomaly

33.7538, 31.4026, 20.5020

Tritanomaly

37.8697, 31.2903, 25.8735

Monochromacy



Original Color

36.9932, 31.5680, 20.6665

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.4009, 31.6451, 29.2113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9932, 31.5680, 20.6665 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(205, 135, 116)` looks like.

```
.text, #text, p{  
    color:rgb(205, 135, 116)  
}
```

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(205, 135, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 135, 116) }
```

Border

The CSS property to change the border of an element to XYZ 36.9932, 31.5680, 20.6665 is called "border". The border property can be set on classes, ids or directly on the HTML element.

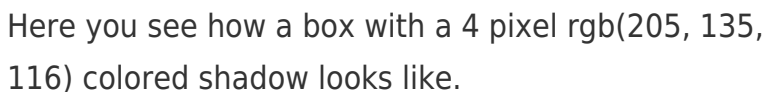
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 135, 116) }
```


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

```
.border{ border-color:rgb(205, 135, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 135, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 135, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 135, 116);  
box-shadow:4px 4px 4px 4px rgb(205, 135,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9932, 31.5680, 20.6665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 135, 116) }
```

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

```
.background{ background-color: rgb(205,  
135, 116) }
```

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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