

Converting Colors

XYZ(36.1865, 32.6057, 20.0144)

Have a look what the booklet for
XYZ(36.1865, 32.6057, 20.0144)
contains.

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Color

**XYZ(36.2068, 32.6804,
20.0224)**

Conversions

Conversions Part 1

Format	Color
Hex	C78E71
RGB	199, 142, 113
RGB Percent	78%, 56%, 44%
CMY	0.2196, 0.4431, 0.5569
CMYK	0.00, 0.29, 0.43, 0.22
HSL	20°, 43%, 61%
HSV	20°, 43%, 78%
XYZ	36.2068, 32.6804, 20.0224
YIQ	155.7370, 43.2810, 3.0650

Conversions

Conversions Part 2

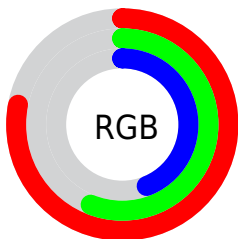
Format	Color
RYB	199, 157, 113
Decimal	13078129
CIELab	63.90, 18.05, 24.03
CIELCh	64, 30.055, 53.083
Yxy	32.6804, 0.4072, 0.3676
Android (android.graphics.Color)	4291268209 (0xFFC78E71)
YUV	155.7370, -21.0693, 37.9417
Hunter-Lab	57.1668, 13.0118, 19.2507

Details

The XYZ color **36.2068, 32.6804, 20.0224** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.4928, 36.3820, 59.3952**, and the grayscale version is **31.5608, 33.2045, 36.1597**.

A 20% lighter version of the original color is **67.7715, 63.4565, 44.2737**, and **16.0229, 13.7035, 6.8016** is the 20% darker color. If you saturate the color by 10%, you get **33.3596, 28.5865, 14.1390**, and if you desaturate by 10%, it is **39.5336, 37.3401, 27.2782**.

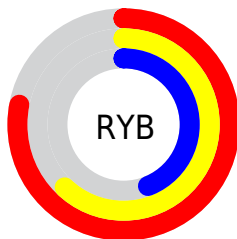
Distribution



Red (78%)

Green (56%)

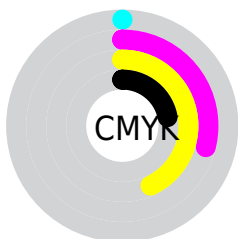
Blue (44%)



Red (78%)

Yellow (62%)

Blue (44%)

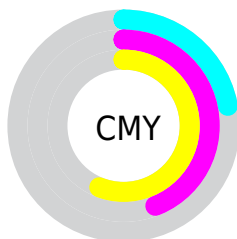


Cyan (0%)

Magenta (29%)

Yellow (43%)

Black (22%)



Cyan (22%)


Magenta (44%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2068, 32.6804, 20.0224 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 36.2068, 32.6804, 20.0224 by changing the saturation by 10% instead.


 36.2068, 32.6804,
20.0224


 36.2068, 32.6804,
20.0224


321.2790,
314.2071, 264.6446


 24.7648, 21.8817,
12.2271

 68.6729, 63.8762,
44.3142


 16.0297, 13.7700,
6.7741


 90.4278, 85.0422,
61.6478

 9.6362, 7.9609,
3.2449


 116.3509,
110.4327, 82.9978

 5.2188, 4.0699,
1.2210

 146.8078,
140.4321, 108.7830

 2.4123, 1.7128,
0.0000

182.1636,
175.4249, 139.4216

 0.8512, 0.4319,
0.0000

222.7839,

 0.0000, 0.0000,

215.7954, 175.3325

0.0000

269.0339,
261.9280, 216.9339

■ 36.2068, 32.6804,
20.0224

■ 36.2068, 32.6804,
20.0224

■ 33.3596, 28.5865,
14.1390

■ 39.5336, 37.3401,
27.2782

■ 30.9651, 25.0311,
9.5378

■ 43.3598, 42.5820,
35.9848

■ 28.9974, 21.9914,
6.1210


■ 47.7072, 48.4280,
46.2168


■ 27.4266, 19.4409,
3.7754


■ 52.5955, 54.8969,
58.0431


■ 26.2178, 17.3501,
2.3650


■ 58.0432, 62.0070,
71.5286

 25.5671, 16.1701,
1.7736

 64.0680, 69.7758,
86.7342

 70.6868, 78.2199,
103.7181

 75.0209, 86.1976,
107.2915

 77.3631, 90.8821,
108.0723

Harmonies

Analogous

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



39.1593, 32.6804, 27.2113



36.2068, 32.6804, 20.0224



32.0514, 32.6804, 17.1093

Triad

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



36.2068, 32.6804, 20.0224



23.6681, 32.6804, 32.8516



34.3603, 32.6804, 61.5958

Complementary

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



36.2068, 32.6804, 20.0224



31.4928, 36.3820, 59.3952

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.



30.0926, 32.6804, 64.0720



36.2068, 32.6804, 20.0224



24.1653, 32.6804, 45.5175

Square

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



36.2068, 32.6804, 20.0224



25.0033, 32.6804, 23.3475



26.4288, 32.6804, 57.6400



38.0275, 32.6804, 51.4856

Rectangle

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



36.2068, 32.6804, 20.0224



29.2571, 32.6804, 17.3777



26.4288, 32.6804, 57.6400



32.9391, 32.6804, 63.4304

Sweetspot

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



36.2076, 32.6820, 20.0230



83.5522, 84.8209, 80.9703



36.7457, 26.8675, 41.4451



17.5012, 17.6443, 16.4208



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.



36.2076, 32.6820, 20.0230



58.6187, 50.3570, 25.1729



43.8131, 47.8929, 22.5582



10.9213, 11.2118, 11.1512



16.5134, 10.5440, 1.1648



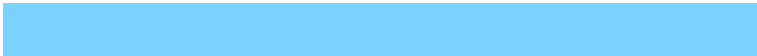
0.8491, 0.6336, 0.0775

Inverse Universe

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



31.4928, 36.3820, 59.3952



49.2483, 57.6178, 103.1334



24.7516, 22.8995, 57.1481



10.6338, 11.4417, 13.5655



12.0081, 13.4101, 36.6999



0.6335, 0.7649, 1.7594

Previews

White Background



This preview shows how the XYZ color 36.2068, 32.6804, 20.0224 looks on a white background.

Color Contrast Check

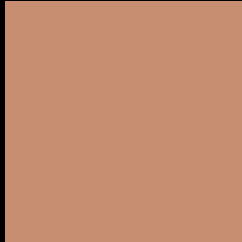
Large Text (above 18pt) WCAG AA × Fail

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 36.2068, 32.6804, 20.0224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

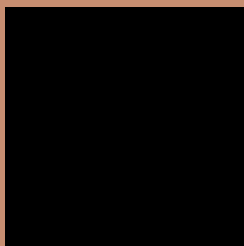
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2068, 32.6804, 20.0224

Background



This preview shows how black text looks on a background with the XYZ color 36.2068, 32.6804, 20.0224.



This preview shows how white text looks on a background with the XYZ color 36.2068, 32.6804,

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

36.2068, 32.6804, 20.0224

Protanopia

30.7770, 32.8816, 22.1774

Deuteranopia

33.4392, 32.8551, 19.9085



Tritanopia

38.6481, 32.5860, 32.2697

Trichromacy



Original Color

36.2068, 32.6804, 20.0224

Protanomaly

32.4773, 32.5620, 21.4030

Deuteranomaly

34.1898, 32.5464, 19.8093

Tritanomaly

37.6932, 32.6320, 27.2336

Monochromacy



Original Color

36.2068, 32.6804, 20.0224

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.8135, 32.7973, 29.4120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2068, 32.6804, 20.0224 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(199, 142, 113)` looks like.

```
.text, #text, p{  
    color:rgb(199, 142, 113)  
}
```

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(199, 142, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 142, 113) }
```

Border

The CSS property to change the border of an element to XYZ 36.2068, 32.6804, 20.0224 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(199, 142, 113) }
```


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

```
.border{ border-color:rgb(199, 142, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 142, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 142, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 142, 113);  
box-shadow:4px 4px 4px 4px rgb(199, 142,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2068, 32.6804, 20.0224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 142, 113) }
```

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

```
.background{ background-color: rgb(199,  
142, 113) }
```

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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