

# Converting Colors

XYZ(36.7282, 32.8017, 19.1019)

Have a look what the booklet for  
XYZ(36.7282, 32.8017, 19.1019)  
contains.

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# Color

**XYZ(36.6965, 32.7321,  
19.1357)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA8D6E
RGB	202, 141, 110
RGB Percent	79%, 55%, 43%
CMY	0.2078, 0.4470, 0.5686
CMYK	0.00, 0.30, 0.46, 0.21
HSL	20°, 46%, 61%
HSV	20°, 46%, 79%
XYZ	36.6965, 32.7321, 19.1357
YIQ	155.7050, 46.3070, 3.2910

# Conversions

## Conversions Part 2

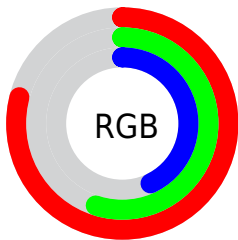
Format	Color
R <sub>Y</sub> B	202, 157, 110
Decimal	13274478
CIE Lab	63.94, 19.50, 25.81
CIE LCh	64, 32.344, 52.927
Yxy	32.7321, 0.4143, 0.3696
Android (android.graphics.Color)	4291464558 (0xFFCA8D6E)
YUV	155.7050, -22.5326, 40.6007
Hunter-Lab	57.2120, 14.3713, 20.2176

# Details

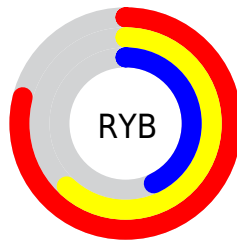
The XYZ color **36.6965, 32.7321, 19.1357** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.6534, 36.7037, 61.2933**, and the grayscale version is **31.5519, 33.1951, 36.1495**.

A 20% lighter version of the original color is **67.2767, 62.8988, 42.7772**, and **16.2027, 13.6799, 6.3439** is the 20% darker color. If you saturate the color by 10%, you get **33.8629, 28.6289, 13.3698**, and if you desaturate by 10%, it is **40.0213, 37.4164, 26.3028**.

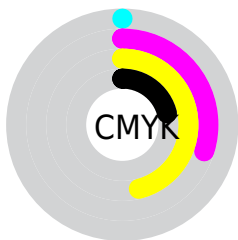
# Distribution



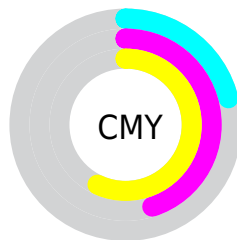
- Red (79%)
- Green (55%)
- Blue (43%)



- Red (79%)
- Yellow (62%)
- Blue (43%)



- Cyan (0%)
- Magenta (30%)
- Yellow (46%)
- Black (21%)



- Cyan (21%)
- Magenta (45%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6965, 32.7321, 19.1357 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 36.6965, 32.7321, 19.1357 by changing the saturation by 10% instead.



36.6965, 32.7321,  
19.1357

36.6965, 32.7321,  
19.1357

323.3731,  
314.4408, 259.6445

25.1452, 21.9213,  
11.5906

69.4226, 63.9570,  
42.8030

16.3146, 13.7991,  
6.3464

91.3281, 85.1400,  
59.7623

9.8393, 7.9811,  
2.9847

117.4158,  
110.5491, 80.6967

5.3540, 4.0828,  
1.0868

148.0509,  
140.5687, 106.0248

2.4933, 1.7200,  
0.0000

183.5988,  
175.5833, 136.1650

0.8919, 0.4366,  
0.0000

224.4249,

0.0000, 0.0000,

215.9773, 171.5361

0.0000

270.8945,  
262.1350, 212.5564

■ 36.6965, 32.7321,  
19.1357

■ 36.6965, 32.7321,  
19.1357

■ 33.8629, 28.6289,  
13.3698

■ 40.0213, 37.4164,  
26.3028

■ 31.4922, 25.0781,  
8.9093

■ 43.8585, 42.6994,  
34.9542

■ 29.5570, 22.0557,  
5.6497


■ 48.2309, 48.6038,  
45.1686


■ 28.0249, 19.5334,  
3.4687

■ 53.1593, 55.1496,  
57.0188


■ 26.8581, 17.4796,  
2.2168


■ 58.6632, 62.3558,  
70.5729

 26.4288, 16.6999,  
1.8304

 64.7611, 70.2409,  
85.8951

 71.4707, 78.8222,  
103.0462

 76.0192, 87.0008,  
107.3939

 78.1671, 91.2965,  
108.1099

# Harmonies

## Analogous

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



39.8969, 32.7321, 26.7322



36.6965, 32.7321, 19.1357



32.2022, 32.7321, 16.0893

# Triad

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



36.6965, 32.7321, 19.1357



23.2017, 32.7321, 32.6386



34.6499, 32.7321, 64.1009

# Complementary

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



36.6965, 32.7321, 19.1357



31.6534, 36.7037, 61.2933

# 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.



30.0445, 32.7321, 66.7864



36.6965, 32.7321, 19.1357



23.7198, 32.7321, 46.3340

# Square

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



36.6965, 32.7321, 19.1357



24.6316, 32.7321, 22.5535



26.1229, 32.7321, 59.6394



38.6371, 32.7321, 53.0050



# Rectangle

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



36.6965, 32.7321, 19.1357



29.1920, 32.7321, 16.3525



26.1229, 32.7321, 59.6394



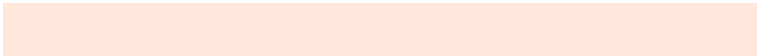
33.1121, 32.7321, 66.1125

# Sweetspot

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



36.6973, 32.7337, 19.1363



82.7344, 83.7276, 79.0256



37.3157, 26.6617, 41.8746



17.3391, 17.4267, 16.0378



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.



36.6973, 32.7337, 19.1363



57.2431, 48.3380, 22.4575



44.8714, 49.0818, 21.8610



11.5162, 11.8213, 11.7542



17.0808, 10.8946, 1.2026



0.9511, 0.7019, 0.0853



# Inverse Universe

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



31.6534, 36.7037, 61.2933



47.5787, 55.8306, 102.8765



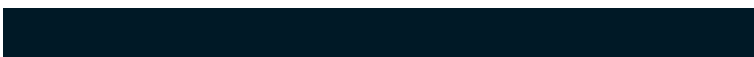
24.4673, 22.3314, 58.8979



11.2125, 12.0653, 14.3083



12.4242, 13.8725, 37.9791



0.7093, 0.8523, 1.9821



# Previews

## White Background



This preview shows how the XYZ color 36.6965, 32.7321, 19.1357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

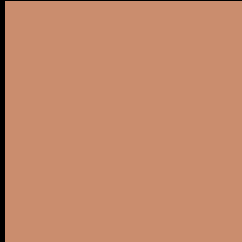
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6965, 32.7321, 19.1357 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

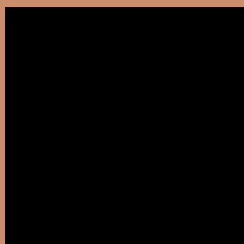
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.6965, 32.7321, 19.1357**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6965, 32.7321, 19.1357.



This preview shows how white text looks on a background with the XYZ color 36.6965, 32.7321,



# 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

36.6965, 32.7321, 19.1357

### Protanopia

30.5996, 32.8106, 21.2433

### Deuteranopia

33.5153, 32.9133, 19.0545



## Tritanopia

39.1693, 32.6628, 31.4342

# Trichromacy



## Original Color

36.6965, 32.7321, 19.1357

## Protanomaly

32.5340, 32.6113, 20.4995

## Deuteranomaly

34.5251, 32.7383, 18.9674

## Tritanomaly

38.2240, 32.7078, 26.4889

# Monochromacy



## Original Color

36.6965, 32.7321, 19.1357

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

32.9604, 32.8815, 29.0357

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6965, 32.7321, 19.1357 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(202, 141, 110)` looks like.

```
.text, #text, p{  
    color:rgb(202, 141, 110)  
}
```

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(202, 141, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 141, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6965, 32.7321, 19.1357 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(202, 141, 110) }
```



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

```
.border{ border-color:rgb(202, 141, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 141, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 141, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 141, 110);  
box-shadow:4px 4px 4px 4px rgb(202, 141,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6965, 32.7321, 19.1357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 141, 110) }
```

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

```
.background{ background-color: rgb(202,  
141, 110) }
```

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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