

Converting Colors

XYZ(36.9035, 32.4712, 16.4782)

Have a look what the booklet for
XYZ(36.9035, 32.4712, 16.4782)
contains.

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Color

**XYZ(36.9865, 32.5071,
16.3817)**

Conversions

Conversions Part 1

Format	Color
Hex	CE8B64
RGB	206, 139, 100
RGB Percent	81%, 55%, 39%
CMY	0.1922, 0.4549, 0.6078
CMYK	0.00, 0.33, 0.51, 0.19
HSL	22°, 52%, 60%
HSV	22°, 51%, 81%
XYZ	36.9865, 32.5071, 16.3817
YIQ	154.5870, 52.4510, 2.0750

Conversions

Conversions Part 2

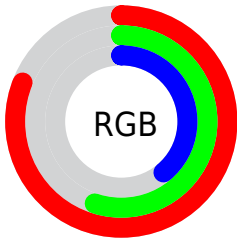
Format	Color
R _Y B	206, 162, 100
Decimal	13536100
CIE Lab	63.76, 21.25, 31.14
CIE LCh	64, 37.701, 55.699
Yxy	32.5071, 0.4307, 0.3785
Android (android.graphics.Color)	4291726180 (0xFFCE8B64)
YUV	154.5870, -26.9114, 45.0892
Hunter-Lab	57.0150, 16.0194, 22.8751

Details

The XYZ color **36.9865, 32.5071, 16.3817** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **30.2143, 34.8016, 63.5174**, and the grayscale version is **31.0728, 32.6910, 35.6005**.

A 20% lighter version of the original color is **65.8959, 61.6343, 37.7017**, and **16.5866, 13.7823, 5.0348** is the 20% darker color. If you saturate the color by 10%, you get **34.3385, 28.6102, 11.1865**, and if you desaturate by 10%, it is **40.1127, 36.9572, 22.9806**.

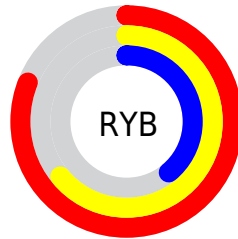
Distribution



Red (81%)

Green (55%)

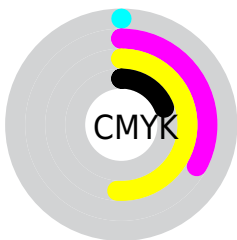
Blue (39%)



Red (81%)

Yellow (64%)

Blue (39%)

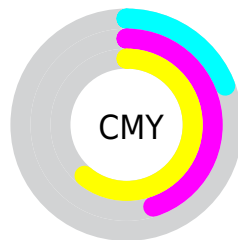


Cyan (0%)

Magenta (33%)

Yellow (51%)

Black (19%)



Cyan (19%)


Magenta (45%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9865, 32.5071, 16.3817 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 36.9865, 32.5071, 16.3817 by changing the saturation by 10% instead.


 36.9865, 32.5071,
16.3817


 36.9865, 32.5071,
16.3817


324.6086,
313.4228, 243.5058

 25.3707, 21.7491,
9.6374


 69.8660, 63.6052,
38.0356


 16.4836, 13.6727,
5.0568


 91.8604, 84.7142,
53.7822

 9.9600, 7.8934,
2.2213


 118.0449,
110.0422, 73.3667

 5.4345, 4.0268,
0.6866

 148.7851,
139.9737, 97.2075

 2.5418, 1.6886,
0.0000

184.4462,
174.8932, 125.7234

 0.9164, 0.4162,
0.0000

225.3936,

 0.0000, 0.0000,

215.1849, 159.3326

0.0000

271.9926,
261.2333, 198.4539

■ 36.9865, 32.5071,
16.3817

■ 36.9865, 32.5071,
16.3817

■ 34.3385, 28.6102,
11.1865

■ 40.1127, 36.9572,
22.9806

■ 32.1391, 25.2381,
7.2882

■ 43.7396, 41.9774,
31.0751

■ 30.3587, 22.3670,
4.5680

■ 47.8909, 47.5900,
40.7516

■ 28.9617, 19.9686,
2.8832

■ 52.5880, 53.8145,
52.0893

■ 28.0243, 18.2633,
2.0481

■ 57.8510, 60.6692,
65.1621

■ 63.6991, 68.1720,
80.0391

■ 70.1504, 76.3398,
96.7861

■ 75.6034, 84.5415,
106.9412

■ 79.2636, 91.8618,
108.1612

Harmonies

Analogous

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



40.9911, 32.5071, 24.2122



36.9865, 32.5071, 16.3817



31.6656, 32.5071, 13.5786

Triad

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



36.9865, 32.5071, 16.3817



21.8290, 32.5071, 33.2561



35.5178, 32.5071, 68.6397

Complementary

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



36.9865, 32.5071, 16.3817



30.2143, 34.8016, 63.5174

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.



30.1410, 32.5071, 73.0828



36.9865, 32.5071, 16.3817



22.6131, 32.5071, 49.5788

Square

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



36.9865, 32.5071, 16.3817



23.2378, 32.5071, 21.3936



25.5155, 32.5071, 65.3004



40.0776, 32.5071, 54.4649

Rectangle

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



36.9865, 32.5071, 16.3817



28.2274, 32.5071, 14.1156



25.5155, 32.5071, 65.3004



33.7299, 32.5071, 71.4669

Sweetspot

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



36.9873, 32.5087, 16.3823



82.2588, 83.3105, 77.2203



36.9983, 25.0314, 39.5056



17.2583, 17.3703, 15.6868



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.



36.9873, 32.5087, 16.3823



55.1269, 45.5890, 17.1789



46.5743, 51.6827, 19.5780



11.5447, 11.8784, 11.7637



17.3418, 11.4165, 1.2896



0.9666, 0.7329, 0.0905

Inverse Universe

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



30.2143, 34.8016, 63.5174



42.8955, 49.6088, 101.9224



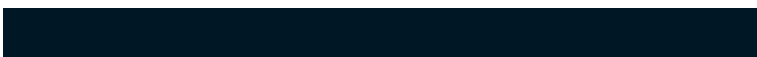
22.4288, 19.2306, 60.9222



11.1828, 12.0059, 14.2984



11.8871, 12.7983, 37.8001



0.6842, 0.8021, 1.9737

Previews

White Background



This preview shows how the XYZ color 36.9865, 32.5071, 16.3817 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 36.9865, 32.5071, 16.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

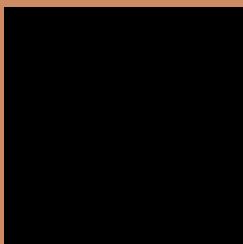
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9865, 32.5071, 16.3817

Background



This preview shows how black text looks on a background with the XYZ color 36.9865, 32.5071, 16.3817.



This preview shows how white text looks on a background with the XYZ color 36.9865, 32.5071,

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

36.9865, 32.5071, 16.3817

Protanopia

30.2592, 32.6988, 18.3523

Deuteranopia

33.2880, 32.6264, 16.0983



Tritanopia

39.6399, 32.3135, 30.1345

Trichromacy



Original Color

36.9865, 32.5071, 16.3817

Protanomaly

32.3022, 32.3181, 17.6322

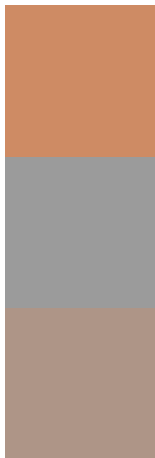
Deuteranomaly

34.6257, 32.6210, 16.2759

Tritanomaly

38.5072, 32.2701, 24.2779

Monochromacy



Original Color

36.9865, 32.5071, 16.3817

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.5762, 32.2428, 27.4282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9865, 32.5071, 16.3817 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, 139, 100)` looks like.

```
.text, #text, p{  
    color:rgb(206, 139, 100)  
}
```

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, 139, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 139, 100) }
```

Border

The CSS property to change the border of an element to XYZ 36.9865, 32.5071, 16.3817 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, 139, 100) }
```


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

```
.border{ border-color:rgb(206, 139, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 139, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 139, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 139, 100);  
box-shadow:4px 4px 4px 4px rgb(206, 139,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9865, 32.5071, 16.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 139, 100) }
```

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

```
.background{ background-color: rgb(206,  
139, 100) }
```

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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