

Converting Colors

XYZ(36.6003, 33.4148, 21.5918)

Have a look what the booklet for
XYZ(36.6003, 33.4148, 21.5918)
contains.

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Color

**XYZ(36.6841, 33.5646,
21.6847)**

Conversions

Conversions Part 1

Format	Color
Hex	C69176
RGB	198, 145, 118
RGB Percent	78%, 57%, 46%
CMY	0.2235, 0.4314, 0.5372
CMYK	0.00, 0.27, 0.40, 0.22
HSL	20°, 41%, 62%
HSV	20°, 40%, 78%
XYZ	36.6841, 33.5646, 21.6847
YIQ	157.7690, 40.2550, 2.8390

Conversions

Conversions Part 2

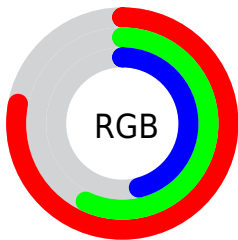
Format	Color
R_{YB}	198, 159, 118
Decimal	13013366
CIE _{Lab}	64.62, 16.56, 22.20
CIE _{LCh}	65, 27.693, 53.274
Yxy	33.5646, 0.3990, 0.3651
Android (android.graphics.Color)	4291203446 (0xFFC69176)
YUV	157.7690, -19.6061, 35.2826
Hunter-Lab	57.9350, 11.6390, 18.3626

Details

The XYZ color **36.6841, 33.5646, 21.6847** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.2265, 37.0530, 58.8794**, and the grayscale version is **32.4687, 34.1596, 37.1998**.

A 20% lighter version of the original color is **68.9191, 65.0091, 46.9458**, and **16.2322, 14.1859, 7.5128** is the 20% darker color. If you saturate the color by 10%, you get **33.7390, 29.3638, 15.4947**, and if you desaturate by 10%, it is **40.1093, 38.3302, 29.2539**.

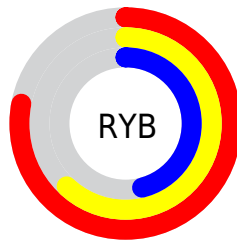
Distribution



Red (78%)

Green (57%)

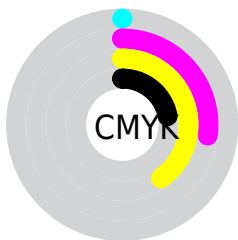
Blue (46%)



Red (78%)

Yellow (62%)

Blue (46%)

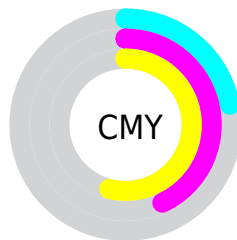


Cyan (0%)

Magenta (27%)

Yellow (40%)

Black (22%)



Cyan (22%)


Magenta (43%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6841, 33.5646, 21.6847 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 36.6841, 33.5646, 21.6847 by changing the saturation by 10% instead.


 36.6841, 33.5646,
21.6847


 36.6841, 33.5646,
21.6847


323.3202,
318.1862, 273.7948

 25.1355, 22.5593,
13.4293


 69.4037, 65.2560,
47.1198

 16.3073, 14.2685,
7.5906


 91.3054, 86.7109,
65.1366

 9.8341, 8.3076,
3.7502


 117.3888,
112.4178, 87.2443

 5.3505, 4.2924,
1.4893

148.0194,
142.7612, 113.8614

 2.4912, 1.8384,
0.2099

183.5625,
178.1253, 145.4065

 0.8908, 0.5110,
0.0000

224.3834,

 0.0000, 0.0000,

218.8945, 182.2980

0.0000

270.8475,
265.4534, 224.9546

■ 36.6841, 33.5646,
21.6847

■ 36.6841, 33.5646,
21.6847

■ 33.7390, 29.3638,
15.4947

■ 40.1093, 38.3302,
29.2539

■ 31.2480, 25.7012,
10.5973

■ 44.0338, 43.6765,
38.2777

■ 29.1864, 22.5548,
6.8989


■ 48.4787, 49.6245,
48.8283


■ 27.5257, 19.8991,
4.2924


■ 53.4631, 56.1928,
60.9728

■ 26.2328, 17.7060,
2.6511


■ 59.0050, 63.3992,
74.7738

 25.2861, 16.0006,
1.7557

 65.1217, 71.2606,
90.2909

 71.5707, 79.6898,
106.2172

 75.5044, 87.5573,
107.5285

 77.0986, 90.7457,
108.0599

Harmonies

Analogous

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



39.4345, 33.5646, 28.5763



36.6841, 33.5646, 21.6847



32.8038, 33.5646, 18.8614

Triad

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



36.6841, 33.5646, 21.6847



24.9109, 33.5646, 34.0470



35.0119, 33.5646, 60.5100

Complementary

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



36.6841, 33.5646, 21.6847



32.2265, 37.0530, 58.8794

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.



31.0172, 33.5646, 62.8162



36.6841, 33.5646, 21.6847



25.3958, 33.5646, 45.8751

Square

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



36.6841, 33.5646, 21.6847



26.1708, 33.5646, 24.9779



27.5549, 33.5646, 56.9996



38.4145, 33.5646, 51.2270

Rectangle

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



36.6841, 33.5646, 21.6847



30.1826, 33.5646, 19.1416



27.5549, 33.5646, 56.9996



33.6858, 33.5646, 62.1965

Sweetspot

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



36.6850, 33.5662, 21.6854



84.3797, 85.9253, 82.9437



37.1498, 27.9159, 42.1253



17.8305, 18.0848, 17.2031



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.



36.6850, 33.5662, 21.6854



60.5661, 53.1825, 29.1187



43.8380, 47.8724, 24.0697



10.9216, 11.2123, 11.1513



16.5157, 10.5485, 1.1656



0.8492, 0.6339, 0.0776

Inverse Universe

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



32.2265, 37.0530, 58.8794



51.6262, 60.1069, 103.4885



25.8257, 24.2514, 56.7458



10.6335, 11.4411, 13.5654



12.0030, 13.4000, 36.6982



0.6333, 0.7644, 1.7593

Previews

White Background



This preview shows how the XYZ color 36.6841, 33.5646, 21.6847 looks on a white background.

Color Contrast Check

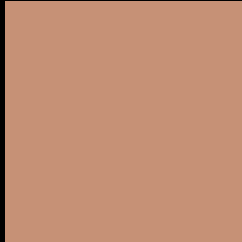
Large Text (above 18pt) WCAG AA × Fail

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 36.6841, 33.5646, 21.6847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

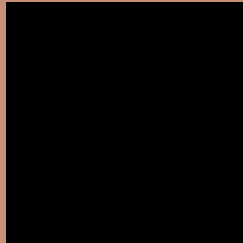
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6841, 33.5646, 21.6847

Background



This preview shows how black text looks on a background with the XYZ color 36.6841, 33.5646, 21.6847.



This preview shows how white text looks on a background with the XYZ color 36.6841, 33.5646,

21.6847.

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

36.6841, 33.5646, 21.6847

Protanopia

31.5685, 33.7595, 23.5913

Deuteranopia

34.2851, 33.7319, 21.5335



Tritanopia

39.0514, 33.4080, 33.6683

Trichromacy



Original Color

36.6841, 33.5646, 21.6847

Protanomaly

33.2025, 33.6279, 22.8300

Deuteranomaly

35.1935, 33.7264, 21.4846

Tritanomaly

38.1526, 33.4894, 28.8793

Monochromacy



Original Color

36.6841, 33.5646, 21.6847

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.5827, 33.6499, 30.7117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6841, 33.5646, 21.6847 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(198, 145, 118)` looks like.

```
.text, #text, p{  
    color:rgb(198, 145, 118)  
}
```

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(198, 145, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 145, 118) }
```

Border

The CSS property to change the border of an element to XYZ 36.6841, 33.5646, 21.6847 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(198, 145, 118) }
```


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

```
.border{ border-color:rgb(198, 145, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 145, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 145, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 145, 118);  
box-shadow:4px 4px 4px 4px rgb(198, 145,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6841, 33.5646, 21.6847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 145, 118) }
```

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

```
.background{ background-color: rgb(198,  
145, 118) }
```

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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