

Converting Colors

XYZ(73.6046, 67.8041, 36.4423)

Have a look what the booklet for
XYZ(73.6046, 67.8041, 36.4423)
contains.

XYZ(66.8517, 64.1822, 36.0591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.8517, 64.1822,
36.0591)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC792
RGB	255, 199, 146
RGB Percent	100%, 78%, 57%
CMY	0.0000, 0.2196, 0.4274
CMYK	0.00, 0.22, 0.43, 0.00
HSL	29°, 100%, 79%
HSV	29°, 43%, 100%
XYZ	66.8517, 64.1822, 36.0591
YIQ	209.7020, 50.3890, -4.6110

Conversions

Conversions Part 2

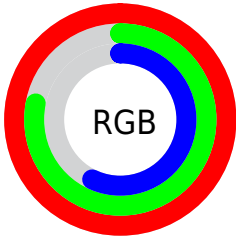
Format	Color
R _Y B	255, 249, 146
Decimal	16762770
CIE Lab	84.06, 13.36, 34.15
CIE LCh	84, 36.668, 68.625
Yxy	64.1822, 0.4001, 0.3841
Android (android.graphics.Color)	4294952850 (0xFFFFC792)
YUV	209.7020, -31.4051, 39.7263
Hunter-Lab	80.1138, 8.7518, 29.3933

Details

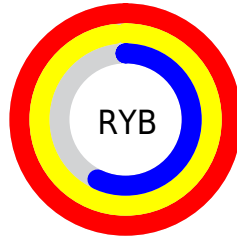
The XYZ color **66.8517, 64.1822, 36.0591** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.0237, 55.5698, 102.6442**, and the grayscale version is **61.2408, 64.4301, 70.1643**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **34.9559, 32.8128, 15.3176** is the 20% darker color. If you saturate the color by 10%, you get **62.1999, 57.7069, 25.7897**, and if you desaturate by 10%, it is **72.2086, 71.3595, 48.7474**.

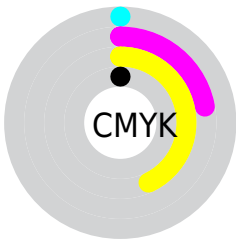
Distribution



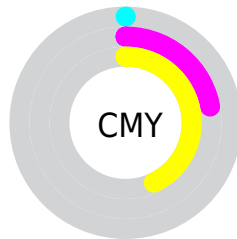
- Red (100%)
- Green (78%)
- Blue (57%)



- Red (100%)
- Yellow (98%)
- Blue (57%)



- Cyan (0%)
- Magenta (22%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8517, 64.1822, 36.0591 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 66.8517, 64.1822, 36.0591 by changing the saturation by 10% instead.


 66.8517, 64.1822,
36.0591

 66.8517, 64.1822,
36.0591


438.8575,
439.8473, 344.2640

 49.2344, 46.7983,
24.1898


 113.7589,
110.8733, 70.2933

 35.0207, 32.8762,
15.2610


 143.7794,
140.9492, 93.4954

 23.8454, 22.0316,
8.8541


178.6651,
176.0246, 121.3120

 15.3431, 13.8801,
4.5506

218.7812,
216.4839, 154.1619

 9.1484, 8.0373,
1.9320

264.4931,
262.7114, 192.4635

 4.8960, 4.1189,
0.5130

316.1663,

 2.2205, 1.7403,

315.0915, 236.6353

0.0000

374.1659,
374.0087, 287.0960

■ 0.7535, 0.4495,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8517, 64.1822,
36.0591

■ 66.8517, 64.1822,
36.0591

■ 62.1999, 57.7069,
25.7897

■ 72.2086, 71.3595,
48.7474

■ 58.2122, 51.8996,
17.7765

■ 78.2990, 79.2530,
63.9950

■ 54.8500, 46.7364,
11.8424

■ 85.1556, 87.8878,
81.9363

■ 52.0675, 42.1877,
7.7819

■ 92.8072, 97.2849,
102.6948

■ 49.8106, 38.2201,
5.3459

95.0499, 99.9999,
108.9000

■ 48.4481, 35.6763,
4.3327

Harmonies

Analogous

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



73.9842, 64.1822, 45.5950



66.8517, 64.1822, 36.0591



58.6995, 64.1822, 34.4364

Triad

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



66.8517, 64.1822, 36.0591



46.8767, 64.1822, 76.7815



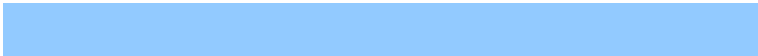
71.2403, 64.1822, 110.7973

Complementary

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



66.8517, 64.1822, 36.0591



51.0237, 55.5698, 102.6442

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.



63.3665, 64.1822, 123.8472



66.8517, 64.1822, 36.0591



49.6371, 64.1822, 101.5530

Square

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



66.8517, 64.1822, 36.0591



47.6310, 64.1822, 54.8681



55.5063, 64.1822, 120.1342



76.6697, 64.1822, 87.4152

Rectangle

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



66.8517, 64.1822, 36.0591



53.8486, 64.1822, 37.6129



55.5063, 64.1822, 120.1342



68.7651, 64.1822, 116.7491

Sweetspot

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



66.8533, 64.1853, 36.0604



84.9707, 87.6578, 81.4431



62.2174, 46.0976, 61.6929



17.8498, 18.3415, 16.5370



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.



66.8533, 64.1853, 36.0604



62.9628, 58.7881, 27.4140



81.6114, 93.7015, 40.9798



18.7385, 19.4452, 18.9100



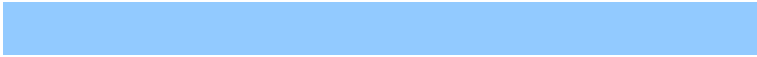
25.4634, 18.9381, 2.3134



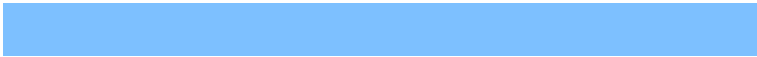
2.5881, 2.0617, 0.2615

Inverse Universe

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



51.0237, 55.5698, 102.6442



45.2966, 49.1691, 101.7109



40.4658, 34.4541, 99.1250



17.7747, 18.9210, 22.9652



13.8223, 12.5542, 51.1293



1.4552, 1.4411, 5.0147

Previews

White Background



This preview shows how the XYZ color 66.8517, 64.1822, 36.0591 looks on a white background.

Color Contrast Check

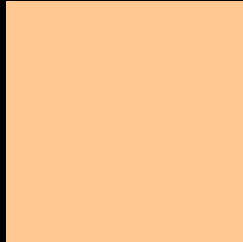
Large Text (above 18pt) WCAG AA × Fail

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 66.8517, 64.1822, 36.0591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

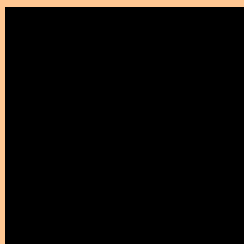
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.8517, 64.1822, 36.0591

Background



This preview shows how black text looks on a background with the XYZ color 66.8517, 64.1822, 36.0591.



This preview shows how white text looks on a background with the XYZ color 66.8517, 64.1822,

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

66.8517, 64.1822, 36.0591

Protanopia

59.9965, 64.4963, 38.5650

Deuteranopia

65.4993, 64.1726, 36.1285



Tritanopia

71.6724, 64.2998, 67.0261

Trichromacy



Original Color

66.8517, 64.1822, 36.0591

Protanomaly

62.4212, 64.3171, 37.5583

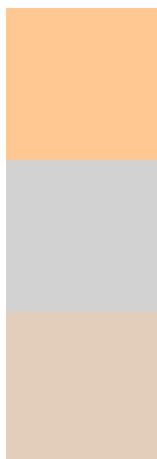
Deuteranomaly

65.9875, 64.0793, 36.0848

Tritanomaly

69.6317, 64.2005, 54.0694

Monochromacy



Original Color

66.8517, 64.1822, 36.0591

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.4050, 63.8992, 56.0584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8517, 64.1822, 36.0591 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(255, 199, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 146)  
}
```

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(255, 199, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 146) }
```

Border

The CSS property to change the border of an element to XYZ 66.8517, 64.1822, 36.0591 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(255, 199, 146) }
```


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

```
.border{ border-color:rgb(255, 199, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8517, 64.1822, 36.0591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 146) }
```

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

```
.background{ background-color: rgb(255,  
199, 146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor