

Converting Colors

XYZ(68.1618, 66.6292, 40.5884)

Have a look what the booklet for
XYZ(68.1618, 66.6292, 40.5884)
contains.

XYZ(68.1016, 66.4687, 40.6929)	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(68.1016, 66.4687,
40.6929)**

Conversions

Conversions Part 1

Format	Color
Hex	FDCC9C
RGB	253, 204, 156
RGB Percent	99%, 80%, 61%
CMY	0.0078, 0.2000, 0.3882
CMYK	0.00, 0.19, 0.38, 0.01
HSL	30°, 96%, 80%
HSV	30°, 38%, 99%
XYZ	68.1016, 66.4687, 40.6929
YIQ	213.1790, 44.6120, -4.5400

Conversions

Conversions Part 2

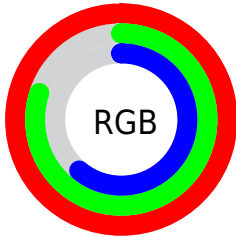
Format	Color
RYB	253, 251, 156
Decimal	16632988
CIELab	85.23, 11.06, 30.48
CIElCh	85, 32.424, 70.062
Yxy	66.4687, 0.3886, 0.3793
Android (android.graphics.Color)	4294823068 (0xFFFDCC9C)
YUV	213.1790, -28.1892, 34.9230
Hunter-Lab	81.5283, 6.4286, 27.4767

Details

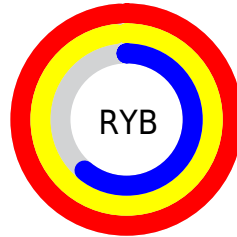
The XYZ color **68.1016, 66.4687, 40.6929** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.2704, 57.8203, 101.2811**, and the grayscale version is **63.5289, 66.8374, 72.7859**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **35.9107, 34.4143, 17.8466** is the 20% darker color. If you saturate the color by 10%, you get **63.2650, 59.8742, 29.5894**, and if you desaturate by 10%, it is **73.6370, 73.7464, 54.2320**.

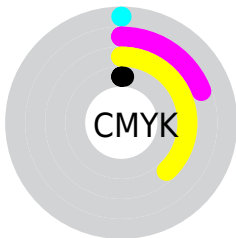
Distribution



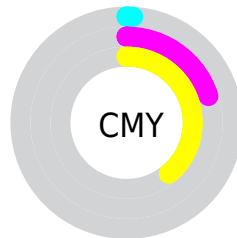
- Red (99%)
- Green (80%)
- Blue (61%)



- Red (99%)
- Yellow (98%)
- Blue (61%)



- Cyan (0%)
- Magenta (19%)
- Yellow (38%)
- Black (1%)





- Cyan (1%)
- Magenta (20%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1016, 66.4687, 40.6929 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 68.1016, 66.4687, 40.6929 by changing the saturation by 10% instead.


 68.1016, 66.4687,
40.6929


 68.1016, 66.4687,
40.6929


443.2270,
448.0512, 364.6740

 50.2544, 48.6530,
27.7613


 115.5386,
114.1588, 77.4661

 35.8342, 34.3443,
17.9083


 145.8591,
144.8019, 102.1448

 24.4757, 23.1582,
10.7154


181.0680,
180.4897, 131.5762

 15.8135, 14.7104,
5.7641

221.5307,
221.6064, 166.1790

 9.4823, 8.6164,
2.6357

267.6127,
268.5366, 206.3716

 5.1167, 4.4918,
0.9108

319.6791,

 2.3513, 1.9523,

321.6645, 252.5726

0.0000

378.0954,
381.3746, 305.2006

■ 0.8207, 0.5795,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1016, 66.4687,
40.6929

■ 68.1016, 66.4687,
40.6929

■ 63.2650, 59.8742,
29.5894

■ 73.6370, 73.7464,
54.2320

■ 59.0883, 53.9305,
20.7685

■ 79.8975, 81.7196,
70.3390

■ 55.5360, 48.6159,
14.0659

■ 86.9139, 90.4120,
89.1413

■ 52.5662, 43.9033,
9.2932

94.3179, 99.6226,
108.8657

■ 50.1304, 39.7627,
6.2280

■ 48.1634, 36.1568,
4.5611

■ 47.8683, 35.6032,
4.3492

Harmonies

Analogous

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



74.5797, 66.4687, 49.3937



68.1016, 66.4687, 40.6929



60.7477, 66.4687, 39.4809

Triad

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



68.1016, 66.4687, 40.6929



50.2996, 66.4687, 79.6514



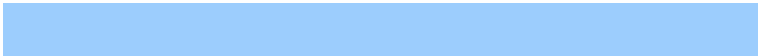
72.6812, 66.4687, 107.8391

Complementary

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



68.1016, 66.4687, 40.6929



53.2704, 57.8203, 101.2811

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.



65.6692, 66.4687, 119.7931



68.1016, 66.4687, 40.6929



52.9993, 66.4687, 101.5602

Square

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



68.1016, 66.4687, 40.6929



50.8405, 66.4687, 59.4723



58.4948, 66.4687, 117.2962



77.3621, 66.4687, 87.0164

Rectangle

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



68.1016, 66.4687, 40.6929



56.3809, 66.4687, 42.7768



58.4948, 66.4687, 117.2962



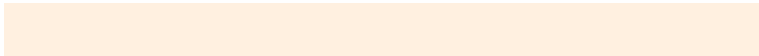
70.4973, 66.4687, 113.1943

Sweetspot

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



68.1033, 66.4718, 40.6942



85.7749, 88.7156, 83.4088



63.5516, 49.1221, 64.5994



18.1581, 18.7399, 17.3123



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.



68.1033, 66.4718, 40.6942



65.4898, 62.4545, 32.5343



81.1259, 92.5170, 45.0351



18.7519, 19.4719, 18.9145



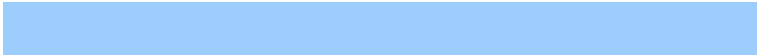
25.6096, 19.2304, 2.3621



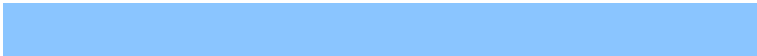
2.6026, 2.0906, 0.2664

Inverse Universe

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



53.2704, 57.8203, 101.2811



48.4360, 52.5065, 102.1897



43.6021, 38.4837, 98.0584



17.7613, 18.8943, 22.9608



13.6693, 12.2482, 51.0783



1.4402, 1.4111, 5.0097

Previews

White Background



This preview shows how the XYZ color 68.1016, 66.4687, 40.6929 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 68.1016, 66.4687, 40.6929 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 68.1016, 66.4687, 40.6929

Background



This preview shows how black text looks on a background with the XYZ color 68.1016, 66.4687, 40.6929.



This preview shows how white text looks on a background with the XYZ color 68.1016, 66.4687,

40.6929.

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

68.1016, 66.4687, 40.6929

Protanopia

62.1343, 66.6205, 42.8419

Deuteranopia

67.7385, 66.2815, 40.6759



Tritanopia

73.3177, 66.4016, 71.2399

Trichromacy



Original Color

68.1016, 66.4687, 40.6929

Protanomaly

64.2297, 66.6009, 42.2709

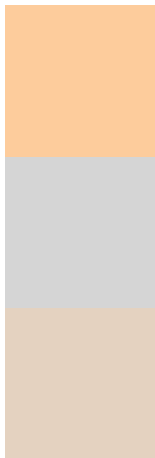
Deuteranomaly

67.7385, 66.2815, 40.6759

Tritanomaly

71.0418, 66.1852, 58.8999

Monochromacy



Original Color

68.1016, 66.4687, 40.6929

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.5559, 66.3929, 59.2818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1016, 66.4687, 40.6929 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(253, 204, 156)` looks like.

```
.text, #text, p{  
    color:rgb(253, 204, 156)  
}
```

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(253, 204, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 204, 156) }
```

Border

The CSS property to change the border of an element to XYZ 68.1016, 66.4687, 40.6929 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(253, 204, 156) }
```


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

```
.border{ border-color:rgb(253, 204, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 204, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 204, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 204, 156);  
box-shadow:4px 4px 4px 4px rgb(253, 204,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1016, 66.4687, 40.6929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 204, 156) }
```

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

```
.background{ background-color: rgb(253,  
204, 156) }
```

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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