

Converting Colors

XYZ(64.8578, 60.7794, 37.1661)

Have a look what the booklet for
XYZ(64.8578, 60.7794, 37.1661)
contains.

XYZ(64.8627, 60.7839, 37.1680)	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(64.8627, 60.7839,
37.1680)**

Conversions

Conversions Part 1

Format	Color
Hex	FDC096
RGB	253, 192, 150
RGB Percent	99%, 75%, 59%
CMY	0.0078, 0.2470, 0.4118
CMYK	0.00, 0.24, 0.41, 0.01
HSL	24°, 96%, 79%
HSV	24°, 41%, 99%
XYZ	64.8627, 60.7839, 37.1680
YIQ	205.4510, 49.8380, -0.1300

Conversions

Conversions Part 2

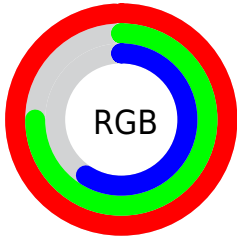
Format	Color
R _Y B	253, 221, 150
Decimal	16629910
CIE Lab	82.26, 16.66, 29.64
CIE LCh	82, 34.003, 60.661
Yxy	60.7839, 0.3984, 0.3733
Android (android.graphics.Color)	4294819990 (0xFFFD C096)
YUV	205.4510, -27.3373, 41.7005
Hunter-Lab	77.9640, 12.0672, 26.3093

Details

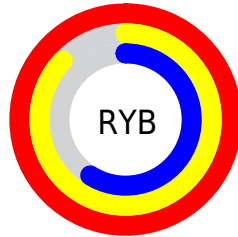
The XYZ color **64.8627, 60.7839, 37.1680** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.6007, 60.1623, 101.7160**, and the grayscale version is **58.4635, 61.5081, 66.9823**.

A 20% lighter version of the original color is **85.7065, 92.7544, 70.5129**, and **33.5887, 30.5471, 15.9302** is the 20% darker color. If you saturate the color by 10%, you get **59.9176, 53.8096, 26.5306**, and if you desaturate by 10%, it is **70.5856, 68.6098, 50.2358**.

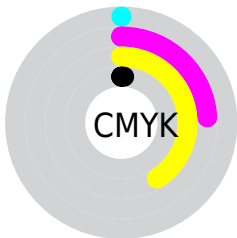
Distribution



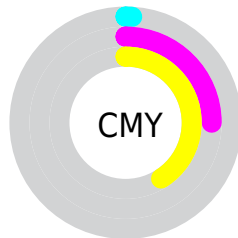
- Red (99%)
- Green (75%)
- Blue (59%)



- Red (99%)
- Yellow (87%)
- Blue (59%)



- Cyan (0%)
- Magenta (24%)
- Yellow (41%)
- Black (1%)





- Cyan (1%)
- Magenta (25%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8627, 60.7839, 37.1680 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 64.8627, 60.7839, 37.1680 by changing the saturation by 10% instead.


 64.8627, 60.7839,
37.1680

 64.8627, 60.7839,
37.1680


431.8514,
427.4812, 349.2279

 47.6140, 44.0508,
25.0408


 110.9192,
105.9660, 72.0203

 33.7313, 30.7104,
15.8881


 140.4578,
135.1837, 95.5825

 22.8492, 20.3785,
9.2915


174.8238,
169.3318, 123.7934

 14.6023, 12.6704,
4.8324

214.3825,
208.7947, 157.0716

 8.6252, 7.2020,
2.0923

259.4992,
253.9566, 195.8356

 4.5527, 3.5888,
0.6112

310.5394,

 2.0193, 1.4463,

305.2021, 240.5039

0.0000

367.8683,
362.9155, 291.4952

0.6448, 0.2505,
0.0000

0.0000, 0.0000,
0.0000

64.8627, 60.7839,
37.1680

64.8627, 60.7839,
37.1680

59.9176, 53.8096,
26.5306

70.5856, 68.6098,
50.2358

55.7072, 47.6467,
18.1660

77.1174, 77.3080,
65.8705

52.1905, 42.2645,
11.9037

84.4926, 86.9094,
84.2028

49.3200, 37.6263,
7.5470

92.7425, 97.4405,
105.3535

■ 47.0402, 33.6914,
4.8610

94.3180, 99.6227,
108.8657

■ 45.3760, 30.6186,
3.5184

Harmonies

Analogous

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



70.5881, 60.7839, 47.8704



64.8627, 60.7839, 37.1680



57.6128, 60.7839, 33.7980

Triad

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



64.8627, 60.7839, 37.1680



44.9467, 60.7839, 66.6443



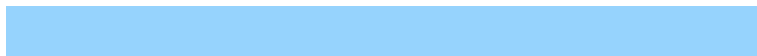
65.1636, 60.7839, 106.7210

Complementary

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



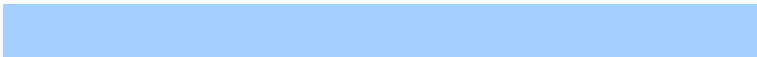
64.8627, 60.7839, 37.1680



53.6007, 60.1623, 101.7160

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.



57.9340, 60.7839, 114.5629



64.8627, 60.7839, 37.1680



46.6116, 60.7839, 88.6563

Square

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



64.8627, 60.7839, 37.1680



46.4726, 60.7839, 48.5151



51.2202, 60.7839, 107.3547



70.7718, 60.7839, 87.6919

Rectangle

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



64.8627, 60.7839, 37.1680



53.0014, 60.7839, 35.4603



51.2202, 60.7839, 107.3547



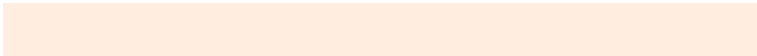
62.8233, 60.7839, 110.9112

Sweetspot

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



64.8642, 60.7868, 37.1692



84.9981, 87.1620, 83.1498



63.2732, 47.4393, 67.9775



17.9756, 18.3749, 17.2514



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.



64.8642, 60.7868, 37.1692



61.7979, 55.9236, 28.6739



77.9741, 87.0066, 41.5392



18.6176, 19.2034, 18.8697



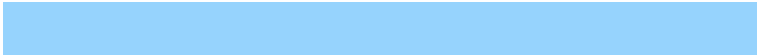
24.2728, 16.5569, 1.9165



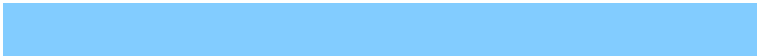
2.4675, 1.8203, 0.2213

Inverse Universe

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



53.6007, 60.1623, 101.7160



48.8667, 55.1760, 102.6822



42.9308, 38.8224, 98.1593



17.8973, 19.1662, 23.0061



15.3651, 15.6398, 51.6435



1.6035, 1.7377, 5.0642

Previews

White Background



This preview shows how the XYZ color 64.8627, 60.7839, 37.1680 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 64.8627, 60.7839, 37.1680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

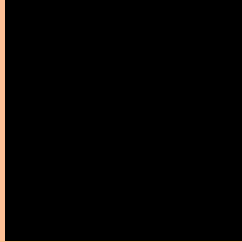
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8627, 60.7839, 37.1680

Background



This preview shows how black text looks on a background with the XYZ color 64.8627, 60.7839, 37.1680.



This preview shows how white text looks on a background with the XYZ color 64.8627, 60.7839,

37.1680.

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

64.8627, 60.7839, 37.1680

Protanopia

57.0455, 61.1230, 40.2438

Deuteranopia

62.1269, 60.7045, 36.8765



Tritanopia

69.4357, 60.9708, 62.7525

Trichromacy



Original Color

64.8627, 60.7839, 37.1680

Protanomaly

59.4420, 60.6306, 39.1418

Deuteranomaly

63.2977, 60.9743, 36.8668

Tritanomaly

67.5141, 60.8434, 52.4415

Monochromacy



Original Color

64.8627, 60.7839, 37.1680

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

59.5354, 60.3409, 54.4080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8627, 60.7839, 37.1680 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, 192, 150)` looks like.

```
.text, #text, p{  
    color:rgb(253, 192, 150)  
}
```

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, 192, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 192, 150) }
```

Border

The CSS property to change the border of an element to XYZ 64.8627, 60.7839, 37.1680 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, 192, 150) }
```


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

```
.border{ border-color:rgb(253, 192, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 192, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 192, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 192, 150);  
box-shadow:4px 4px 4px 4px rgb(253, 192,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8627, 60.7839, 37.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 192, 150) }
```

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

```
.background{ background-color: rgb(253,  
192, 150) }
```

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