

Converting Colors

XYZ(64.8029, 59.1856, 38.1472)

Have a look what the booklet for
XYZ(64.8029, 59.1856, 38.1472)
contains.

XYZ(64.7601, 59.1006, 38.1313)	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(64.7601, 59.1006,
38.1313)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBB99
RGB	255, 187, 153
RGB Percent	100%, 73%, 60%
CMY	0.0000, 0.2666, 0.4000
CMYK	0.00, 0.27, 0.40, 0.00
HSL	20°, 100%, 80%
HSV	20°, 40%, 100%
XYZ	64.7601, 59.1006, 38.1313
YIQ	203.4560, 51.4420, 3.8420

Conversions

Conversions Part 2

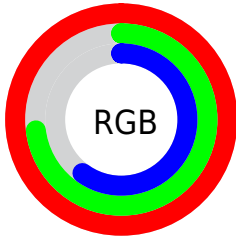
Format	Color
R_{YB}	255, 204, 153
Decimal	16759705
CIE Lab	81.35, 20.37, 26.87
CIE LCh	81, 33.718, 52.824
Yxy	59.1006, 0.3998, 0.3648
Android (android.graphics.Color)	4294949785 (0xFFFFBB99)
YUV	203.4560, -24.8748, 45.2041
Hunter-Lab	76.8769, 15.8314, 24.4057

Details

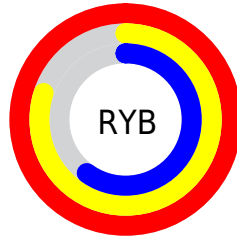
The XYZ color **64.7601, 59.1006, 38.1313** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.0422, 65.7026, 104.2830**, and the grayscale version is **57.1818, 60.1597, 65.5139**.

A 20% lighter version of the original color is **84.6758, 89.9153, 72.5670**, and **33.6883, 29.7453, 16.5362** is the 20% darker color. If you saturate the color by 10%, you get **59.4798, 51.5579, 27.0672**, and if you desaturate by 10%, it is **70.9204, 67.6828, 51.7102**.

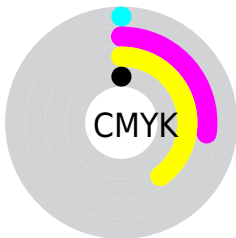
Distribution



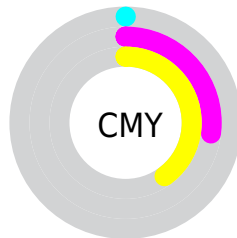
- Red (100%)
- Green (73%)
- Blue (60%)



- Red (100%)
- Yellow (80%)
- Blue (60%)



- Cyan (0%)
- Magenta (27%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7601, 59.1006, 38.1313 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 64.7601, 59.1006, 38.1313 by changing the saturation by 10% instead.


 64.7601, 59.1006,
38.1313

 64.7601, 59.1006,
38.1313


431.4882,
421.2746, 353.4979

 47.5306, 42.6941,
25.7820


 110.7725,
103.5239, 73.5150

 33.6650, 29.6452,
16.4363


 140.2861,
132.3094, 97.3865

 22.7980, 19.5694,
9.6757

174.6251,
165.9901, 125.9357

 14.5643, 12.0824,
5.0817

214.1548,
204.9504, 159.5813

 8.5985, 6.7999,
2.2357

259.2406,
249.5745, 198.7418

 4.5352, 3.3372,
0.6949

310.2479,

 2.0092, 1.3102,

300.2470, 243.8357

0.0000

367.5420,
357.3523, 295.2816

■ 0.6391, 0.1491,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7601, 59.1006,
38.1313

■ 64.7601, 59.1006,
38.1313

■ 59.4798, 51.5579,
27.0672

■ 70.9204, 67.6828,
51.7102

■ 55.0311, 45.0049,
18.3572

■ 77.9967, 77.3346,
67.9439

■ 51.3677, 39.4002,
11.8269

■ 86.0282, 88.0956,
86.9664

■ 48.4358, 34.6956,
7.2762

95.0499, 100.0000,
108.9000

■ 46.1736, 30.8378,
4.4670

■ 44.4897, 27.7594,
3.0133

■ 44.4896, 27.7592,
3.0132

Harmonies

Analogous

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



69.6023, 59.1006, 50.4484



64.7601, 59.1006, 38.1313



57.8821, 59.1006, 33.0313

Triad

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



64.7601, 59.1006, 38.1313



43.7802, 59.1006, 59.6263



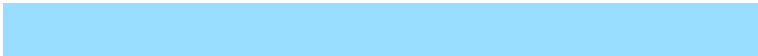
61.5917, 59.1006, 107.1246

Complementary

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



64.7601, 59.1006, 38.1313



57.0422, 65.7026, 104.2830

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.



54.4986, 59.1006, 111.0093



64.7601, 59.1006, 38.1313



44.5933, 59.1006, 80.5972

Square

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



64.7601, 59.1006, 38.1313



46.0595, 59.1006, 43.6449



48.3813, 59.1006, 100.4626



67.6689, 59.1006, 90.7460

Rectangle

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



64.7601, 59.1006, 38.1313



53.2209, 59.1006, 33.4586



48.3813, 59.1006, 100.4626



59.2330, 59.1006, 110.0575

Sweetspot

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



64.7616, 59.1034, 38.1325



84.3433, 85.8524, 82.9316



65.6826, 49.2634, 74.4539



17.8220, 18.0677, 17.2002



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.



64.7616, 59.1034, 38.1325



60.4678, 52.9858, 29.0860



77.5644, 84.7091, 42.4001



18.5041, 18.9764, 18.8319



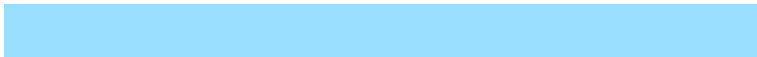
23.3687, 14.7487, 1.6151



2.3710, 1.6273, 0.1891

Inverse Universe

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



57.0422, 65.7026, 104.2830



51.7553, 60.3650, 103.5316



45.5621, 42.7424, 100.4563



18.0148, 19.4011, 23.0453



17.0842, 19.0780, 52.2166



1.7640, 2.0587, 5.1177

Previews

White Background



This preview shows how the XYZ color 64.7601, 59.1006, 38.1313 looks on a white background.

Color Contrast Check

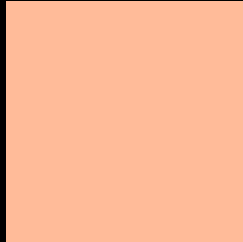
Large Text (above 18pt) WCAG AA × Fail

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 64.7601, 59.1006, 38.1313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

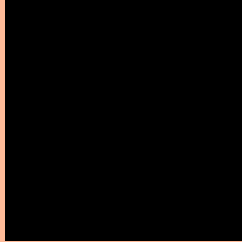
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7601, 59.1006, 38.1313

Background



This preview shows how black text looks on a background with the XYZ color 64.7601, 59.1006, 38.1313.



This preview shows how white text looks on a background with the XYZ color 64.7601, 59.1006,

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

64.7601, 59.1006, 38.1313

Protanopia

55.4900, 59.2262, 41.7649

Deuteranopia

60.5559, 59.2013, 37.9411



Tritanopia

68.1373, 59.1125, 60.0432

Trichromacy



Original Color

64.7601, 59.1006, 38.1313

Protanomaly

58.6852, 59.1898, 40.2300

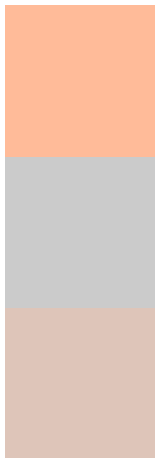
Deuteranomaly

61.9545, 58.9411, 37.8172

Tritanomaly

66.6187, 58.8363, 51.0254

Monochromacy



Original Color

64.7601, 59.1006, 38.1313

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

58.8474, 58.9649, 54.1787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7601, 59.1006, 38.1313 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, 187, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 153)  
}
```

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, 187, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 153) }
```

Border

The CSS property to change the border of an element to XYZ 64.7601, 59.1006, 38.1313 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, 187, 153) }
```


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

```
.border{ border-color:rgb(255, 187, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 187, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7601, 59.1006, 38.1313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 153) }
```

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

```
.background{ background-color: rgb(255,  
187, 153) }
```

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