

Converting Colors

XYZ(96.7803, 75.2029, 39.3798)

Have a look what the booklet for
XYZ(96.7803, 75.2029, 39.3798)
contains.

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Color

**XYZ(64.5487, 58.6777,
38.0608)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBA99
RGB	255, 186, 153
RGB Percent	100%, 73%, 60%
CMY	0.0000, 0.2706, 0.4000
CMYK	0.00, 0.27, 0.40, 0.00
HSL	19°, 100%, 80%
HSV	19°, 40%, 100%
XYZ	64.5487, 58.6777, 38.0608
YIQ	202.8690, 51.7170, 4.3650

Conversions

Conversions Part 2

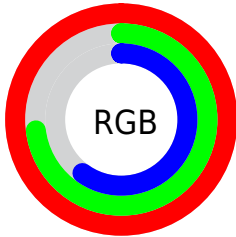
Format	Color
R _Y B	255, 202, 153
Decimal	16759449
CIE Lab	81.11, 20.90, 26.55
CIE LCh	81, 33.790, 51.794
Yxy	58.6777, 0.4002, 0.3638
Android (android.graphics.Color)	4294949529 (0xFFFFBA99)
YUV	202.8690, -24.5854, 45.7189
Hunter-Lab	76.6014, 16.3619, 24.1616

Details

The XYZ color **64.5487, 58.6777, 38.0608** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.3071, 66.2324, 104.3715**, and the grayscale version is **56.8105, 59.7691, 65.0885**.

A 20% lighter version of the original color is **84.3773, 89.3183, 72.4675**, and **33.5508, 29.4701, 16.4904** is the 20% darker color. If you saturate the color by 10%, you get **59.2465, 51.0913, 26.9895**, and if you desaturate by 10%, it is **70.7426, 67.3270, 51.6509**.

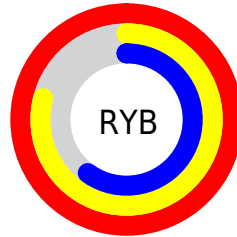
Distribution



Red (100%)

Green (73%)

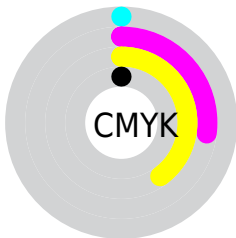
Blue (60%)



Red (100%)

Yellow (79%)

Blue (60%)

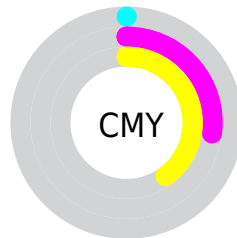


Cyan (0%)

Magenta (27%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5487, 58.6777, 38.0608 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 64.5487, 58.6777, 38.0608 by changing the saturation by 10% instead.


 64.5487, 58.6777,
38.0608


 64.5487, 58.6777,
38.0608


430.7393,
419.7065, 353.1867

 47.3586, 42.3537,
25.7277


 110.4701,
102.9091, 73.4058

 33.5283, 29.3784,
16.3961


 139.9321,
131.5853, 97.2547

 22.6927, 19.3672,
9.6475


174.2154,
165.1477, 125.7793

 14.4862, 11.9359,
5.0633

213.6854,
203.9807, 159.3982

 8.5435, 6.7001,
2.2251

258.7074,
248.4687, 198.5298

 4.4994, 3.2752,
0.6888

309.6468,

 1.9883, 1.2771,

298.9960, 243.5928

0.0000

366.8690,
355.9472, 295.0055

■ 0.6274, 0.1233,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5487, 58.6777,
38.0608

■ 64.5487, 58.6777,
38.0608

■ 59.2465, 51.0913,
26.9895

■ 70.7426, 67.3270,
51.6509

■ 54.7871, 44.5168,
18.2758

■ 77.8649, 77.0709,
67.9000

■ 51.1232, 38.9111,
11.7454

■ 85.9555, 87.9502,
86.9422

■ 48.2003, 34.2244,
7.1977

95.0500, 100.0000,
108.9000

■ 45.9554, 30.4014,
4.3943

■ 44.2963, 27.3725,
2.9488

■ 44.2962, 27.3724,
2.9487

Harmonies

Analogous

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



69.2754, 58.6777, 50.5785



64.5487, 58.6777, 38.0608



57.7215, 58.6777, 32.7438

Triad

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



64.5487, 58.6777, 38.0608



43.4433, 58.6777, 58.5265



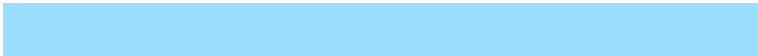
60.9375, 58.6777, 106.9555

Complementary

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



64.5487, 58.6777, 38.0608



57.3071, 66.2324, 104.3715

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.



53.8657, 58.6777, 110.3298



64.5487, 58.6777, 38.0608



44.1473, 58.6777, 79.3534

Square

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



64.5487, 58.6777, 38.0608



45.8175, 58.6777, 42.8285



47.8282, 58.6777, 99.3589



67.0716, 58.6777, 90.9235

Rectangle

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



64.5487, 58.6777, 38.0608



53.0562, 58.6777, 33.0139



47.8282, 58.6777, 99.3589



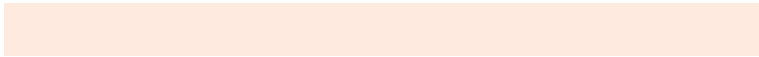
58.5777, 58.6777, 109.7256

Sweetspot

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



64.5502, 58.6805, 38.0620



84.2576, 85.6811, 82.9030



65.9104, 49.3545, 75.6530



17.8019, 18.0275, 17.1935



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.



64.5502, 58.6805, 38.0620



60.2379, 52.5262, 29.0094



77.0719, 83.7239, 42.2359



18.4892, 18.9467, 18.8269



23.2652, 14.5416, 1.5806



2.3595, 1.6044, 0.1853

Inverse Universe

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



57.3071, 66.2324, 104.3715



52.0606, 60.9755, 103.6333



45.8829, 43.3839, 100.5634



18.0303, 19.4323, 23.0505



17.3299, 19.5694, 52.2985



1.7866, 2.1039, 5.1252

Previews

White Background



This preview shows how the XYZ color 64.5487, 58.6777, 38.0608 looks on a white background.

Color Contrast Check

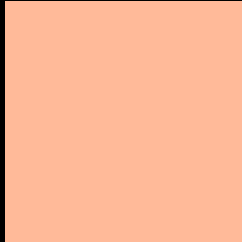
Large Text (above 18pt) WCAG AA × Fail

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 64.5487, 58.6777, 38.0608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

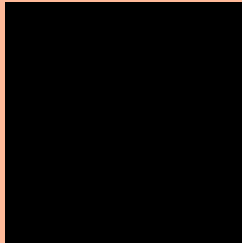
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5487, 58.6777, 38.0608

Background



This preview shows how black text looks on a background with the XYZ color 64.5487, 58.6777, 38.0608.



This preview shows how white text looks on a background with the XYZ color 64.5487, 58.6777,

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

64.5487, 58.6777, 38.0608

Protanopia

55.2561, 58.7584, 41.6869

Deuteranopia

60.2192, 59.0277, 37.9254



Tritanopia

67.8183, 58.6560, 59.3771

Trichromacy



Original Color

64.5487, 58.6777, 38.0608

Protanomaly

58.4589, 58.7372, 40.1546

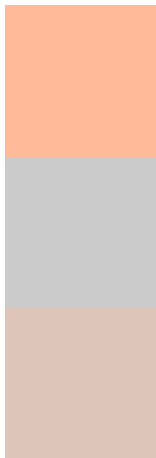
Deuteranomaly

61.6065, 58.7617, 37.8009

Tritanomaly

66.4117, 58.4223, 50.9564

Monochromacy



Original Color

64.5487, 58.6777, 38.0608

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 64.5487, 58.6777, 38.0608 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, 186, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 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, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 153) }
```

Border

The CSS property to change the border of an element to XYZ 64.5487, 58.6777, 38.0608 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, 186, 153) }
```


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

```
.border{ border-color:rgb(255, 186, 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, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5487, 58.6777, 38.0608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 153) }
```

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

```
.background{ background-color: rgb(255,  
186, 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](#).

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