

Converting Colors

XYZ(71.8839, 62.1629, 38.6775)

Have a look what the booklet for
XYZ(71.8839, 62.1629, 38.6775)
contains.

XYZ(64.4217, 58.2910, 38.4277)	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(64.4217, 58.2910,
38.4277)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB99A
RGB	255, 185, 154
RGB Percent	100%, 73%, 60%
CMY	0.0000, 0.2745, 0.3961
CMYK	0.00, 0.27, 0.40, 0.00
HSL	18°, 100%, 80%
HSV	18°, 40%, 100%
XYZ	64.4217, 58.2910, 38.4277
YIQ	202.3960, 51.6710, 5.1990

Conversions

Conversions Part 2

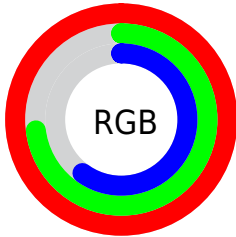
Format	Color
R _Y B	255, 199, 154
Decimal	16759194
CIE Lab	80.90, 21.53, 25.73
CIE LCh	81, 33.552, 50.078
Yxy	58.2910, 0.3998, 0.3617
Android (android.graphics.Color)	4294949274 (0xFFFFB99A)
YUV	202.3960, -23.8592, 46.1337
Hunter-Lab	76.3485, 17.0055, 23.6022

Details

The XYZ color **64.4217, 58.2910, 38.4277** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.0310, 67.3987, 104.5584**, and the grayscale version is **56.5095, 59.4524, 64.7437**.

A 20% lighter version of the original color is **84.2039, 88.7740, 73.0187**, and **33.4644, 29.2176, 16.7078** is the 20% darker color. If you saturate the color by 10%, you get **59.0495, 50.5920, 27.2485**, and if you desaturate by 10%, it is **70.7076, 67.0951, 52.1382**.

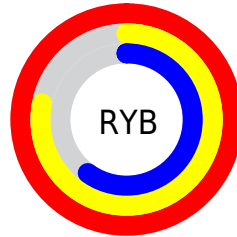
Distribution



Red (100%)

Green (73%)

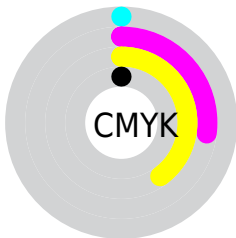
Blue (60%)



Red (100%)

Yellow (78%)

Blue (60%)

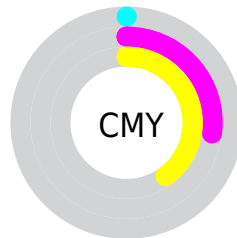


Cyan (0%)

Magenta (27%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4217, 58.2910, 38.4277 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 64.4217, 58.2910, 38.4277 by changing the saturation by 10% instead.


 64.4217, 58.2910,
38.4277


 64.4217, 58.2910,
38.4277


430.2890,
418.2694, 354.8042

 47.2553, 42.0426,
26.0104


 110.2884,
102.3465, 73.9739

 33.4463, 29.1347,
16.6056


 139.7193,
130.9224, 97.9399

 22.6294, 19.1827,
9.7947

173.9692,
164.3763, 126.5925

 14.4393, 11.8024,
5.1592

213.4032,
203.0926, 160.3503

 8.5106, 6.6093,
2.2806

258.3869,
247.4557, 199.6318

 4.4779, 3.2190,
0.7203

309.2855,

 1.9759, 1.2471,

297.8499, 244.8556

0.0000

366.4644,
354.6597, 296.4402

■ 0.6204, 0.0997,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4217, 58.2910,
38.4277

■ 64.4217, 58.2910,
38.4277

■ 59.0495, 50.5920,
27.2485

■ 70.7076, 67.0951,
52.1382

■ 54.5409, 43.9445,
18.4399

■ 77.9449, 77.0383,
68.5203

■ 50.8474, 38.3030,
11.8276

■ 86.1745, 88.1634,
87.7080

■ 47.9132, 33.6147,
7.2120

95.0500, 100.0000,
108.9000

■ 45.6743, 29.8212,
4.3557

■ 44.0397, 26.8506,
2.8903

■ 43.9844, 26.7488,
2.8448

Harmonies

Analogous

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



68.9143, 58.2910, 51.2259



64.4217, 58.2910, 38.4277



57.7365, 58.2910, 32.7620

Triad

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



64.4217, 58.2910, 38.4277



43.2649, 58.2910, 57.1055



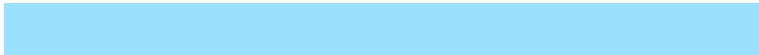
60.1151, 58.2910, 106.5844

Complementary

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



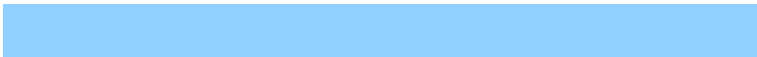
64.4217, 58.2910, 38.4277



58.0310, 67.3987, 104.5584

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.



53.1349, 58.2910, 109.0788



64.4217, 58.2910, 38.4277



43.7857, 58.2910, 77.5222

Square

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



64.4217, 58.2910, 38.4277



45.7819, 58.2910, 41.9561



47.2694, 58.2910, 97.5438



66.2875, 58.2910, 91.3072

Rectangle

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



64.4217, 58.2910, 38.4277



53.1001, 58.2910, 32.7737



47.2694, 58.2910, 97.5438



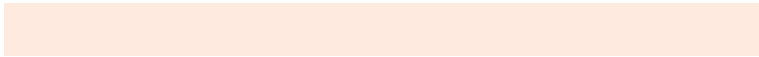
57.7733, 58.2910, 109.0529

Sweetspot

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



64.4232, 58.2938, 38.4289



84.1130, 85.3918, 82.8548



66.3456, 49.7916, 77.1340



17.7680, 17.9598, 17.1822



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.



64.4232, 58.2938, 38.4289



59.8536, 51.7575, 28.8813



76.7240, 82.8955, 42.5291



18.4641, 18.8964, 18.8185



23.0979, 14.2071, 1.5248



2.3408, 1.5669, 0.1791

Inverse Universe

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



58.0310, 67.3987, 104.5584



52.5824, 62.0191, 103.8072



46.5517, 44.4401, 100.7320



18.0567, 19.4850, 23.0592



17.7561, 20.4217, 52.4405



1.8257, 2.1821, 5.1382

Previews

White Background



This preview shows how the XYZ color 64.4217, 58.2910, 38.4277 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 64.4217, 58.2910, 38.4277 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 64.4217, 58.2910, 38.4277

Background



This preview shows how black text looks on a background with the XYZ color 64.4217, 58.2910, 38.4277.



This preview shows how white text looks on a background with the XYZ color 64.4217, 58.2910,

38.4277.

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

64.4217, 58.2910, 38.4277

Protanopia

55.0512, 58.6426, 42.1359

Deuteranopia

59.6625, 58.4115, 37.8357



Tritanopia

67.5015, 58.2028, 58.7155

Trichromacy



Original Color

64.4217, 58.2910, 38.4277

Protanomaly

57.9998, 58.1568, 40.5162

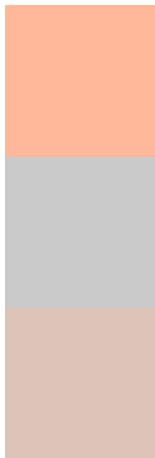
Deuteranomaly

61.4715, 58.3599, 38.1617

Tritanomaly

66.1046, 57.9706, 50.3532

Monochromacy



Original Color

64.4217, 58.2910, 38.4277

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

58.3157, 58.3548, 54.0890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4217, 58.2910, 38.4277 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, 185, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 154)  
}
```

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, 185, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 154) }
```

Border

The CSS property to change the border of an element to XYZ 64.4217, 58.2910, 38.4277 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, 185, 154) }
```


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

```
.border{ border-color:rgb(255, 185, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 185, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 185, 154); box-shadow:4px 4px 4px 4px rgb(255, 185, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4217, 58.2910, 38.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 154) }
```

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

```
.background{ background-color: rgb(255,  
185, 154) }
```

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