

Converting Colors

XYZ(64.7355, 58.3634, 40.2475)

Have a look what the booklet for
XYZ(64.7355, 58.3634, 40.2475)
contains.

XYZ(64.7605, 58.4265, 40.2120)	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(64.7605, 58.4265,
40.2120)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB99E
RGB	255, 185, 158
RGB Percent	100%, 73%, 62%
CMY	0.0000, 0.2745, 0.3804
CMYK	0.00, 0.27, 0.38, 0.00
HSL	17°, 100%, 81%
HSV	17°, 38%, 100%
XYZ	64.7605, 58.4265, 40.2120
YIQ	202.8520, 50.3870, 6.4430

Conversions

Conversions Part 2

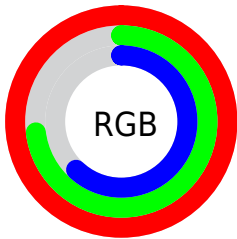
Format	Color
R_{YB}	255, 195, 158
Decimal	16759198
CIE _{Lab}	80.98, 21.98, 23.71
CIE _{LCh}	81, 32.326, 47.168
Yxy	58.4265, 0.3963, 0.3576
Android (android.graphics.Color)	4294949278 (0xFFFFB99E)
YUV	202.8520, -22.1120, 45.7338
Hunter-Lab	76.4372, 17.4668, 22.3149

Details

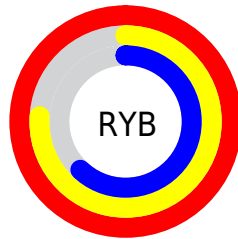
The XYZ color **64.7605, 58.4265, 40.2120** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.8929, 69.9734, 104.9572**, and the grayscale version is **56.7854, 59.7426, 65.0597**.

A 20% lighter version of the original color is **84.7055, 88.9747, 75.6602**, and **33.6177, 29.2789, 17.5152** is the 20% darker color. If you saturate the color by 10%, you get **59.1859, 50.4329, 28.6253**, and if you desaturate by 10%, it is **71.2918, 67.6042, 54.3654**.

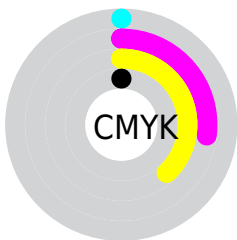
Distribution



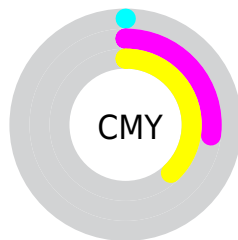
- Red (100%)
- Green (73%)
- Blue (62%)



- Red (100%)
- Yellow (76%)
- Blue (62%)



- Cyan (0%)
- Magenta (27%)
- Yellow (38%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7605, 58.4265, 40.2120 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 64.7605, 58.4265, 40.2120 by changing the saturation by 10% instead.


 64.7605, 58.4265,
40.2120


 64.7605, 58.4265,
40.2120


431.4896,
418.7733, 362.5949

 47.5309, 42.1516,
27.3888


 110.7731,
102.5437, 76.7268

 33.6652, 29.2200,
17.6304

 140.2868,
131.1548, 101.2556

 22.7982, 19.2473,
10.5183


174.6258,
164.6467, 130.5233

 14.5645, 11.8491,
5.6339

214.1557,
203.4040, 164.9485

 8.5986, 6.6410,
2.5586

259.2416,
247.8108, 204.9497

 4.5353, 3.2386,
0.8710

310.2490,

 2.0092, 1.2576,

298.2517, 250.9455

0.0000

367.5432,
355.1111, 303.3544

0.6391, 0.1080,
0.0000

0.0000, 0.0000,
0.0000

64.7605, 58.4265,
40.2120

64.7605, 58.4265,
40.2120

59.1859, 50.4329,
28.6253

71.2918, 67.6042,
54.3654

54.5160, 43.5658,
19.4461

78.8191, 78.0040,
71.2247

50.7007, 37.7749,
12.5026

87.3850, 89.6724,
90.9231

47.6824, 33.0027,
7.5986

95.0500, 100.0000,
108.9000

■ 45.3954, 29.1856,
4.5029

■ 43.7566, 26.2493,
2.9040

■ 43.4928, 25.7656,
2.6809

Harmonies

Analogous

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



68.7746, 58.4265, 53.3346



64.7605, 58.4265, 40.2120



58.4435, 58.4265, 33.9950

Triad

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



64.7605, 58.4265, 40.2120



43.8938, 58.4265, 55.7684



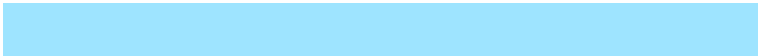
59.4232, 58.4265, 105.7850

Complementary

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



64.7605, 58.4265, 40.2120



59.8929, 69.9734, 104.9572

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.



52.7200, 58.4265, 106.8024



64.7605, 58.4265, 40.2120



44.1098, 58.4265, 75.1416

Square

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



64.7605, 58.4265, 40.2120



46.6098, 58.4265, 41.6836



47.2258, 58.4265, 94.6945



65.5272, 58.4265, 92.1442

Rectangle

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



64.7605, 58.4265, 40.2120



53.9404, 58.4265, 33.5798



47.2258, 58.4265, 94.6945



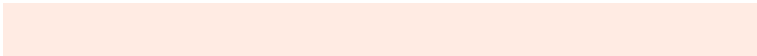
57.1559, 58.4265, 107.6993

Sweetspot

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



64.7620, 58.4293, 40.2132



84.7377, 86.0822, 84.7862



67.6287, 51.3789, 80.5794



17.8846, 18.0814, 17.5647



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.



64.7620, 58.4293, 40.2132



60.2475, 51.9697, 30.7868



76.3717, 81.6487, 44.0831



18.4210, 18.8101, 18.8042



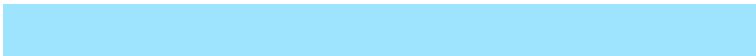
22.8331, 13.6774, 1.4366



2.3104, 1.5061, 0.1689

Inverse Universe

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



59.8929, 69.9734, 104.9572



54.6942, 65.0227, 104.2757



48.6005, 47.3886, 101.1931



18.1023, 19.5761, 23.0744



18.5207, 21.9510, 52.6954



1.8954, 2.3214, 5.1615

Previews

White Background



This preview shows how the XYZ color 64.7605, 58.4265, 40.2120 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 64.7605, 58.4265, 40.2120 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 64.7605, 58.4265, 40.2120

Background



This preview shows how black text looks on a background with the XYZ color 64.7605, 58.4265, 40.2120.



This preview shows how white text looks on a background with the XYZ color 64.7605, 58.4265,

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

64.7605, 58.4265, 40.2120

Protanopia

55.2102, 58.6726, 44.4914

Deuteranopia

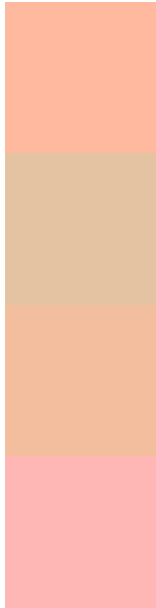
59.6628, 58.3731, 39.5751



Tritanopia

67.7056, 58.6109, 58.7835

Trichromacy



Original Color

64.7605, 58.4265, 40.2120

Protanomaly

58.1209, 58.1685, 42.8147

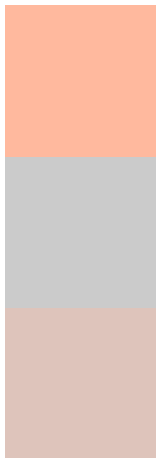
Deuteranomaly

61.4614, 58.3159, 39.9150

Tritanomaly

66.5140, 58.4632, 51.4949

Monochromacy



Original Color

64.7605, 58.4265, 40.2120

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

58.8338, 58.5973, 55.2232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7605, 58.4265, 40.2120 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 158) }
```

Border

The CSS property to change the border of an element to XYZ 64.7605, 58.4265, 40.2120 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, 158) }
```


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

```
.border{ border-color:rgb(255, 185, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7605, 58.4265, 40.2120 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, 158) }
```

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

```
.background{ background-color: rgb(255,  
185, 158) }
```

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