

Converting Colors

XYZ(64.2301, 59.0192, 34.9375)

Have a look what the booklet for
XYZ(64.2301, 59.0192, 34.9375)
contains.

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Color

**XYZ(64.1212, 58.8450,
34.7667)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBB91
RGB	255, 187, 145
RGB Percent	100%, 73%, 57%
CMY	0.0000, 0.2666, 0.4314
CMYK	0.00, 0.27, 0.43, 0.00
HSL	23°, 100%, 78%
HSV	23°, 43%, 100%
XYZ	64.1212, 58.8450, 34.7667
YIQ	202.5440, 54.0100, 1.3540

Conversions

Conversions Part 2

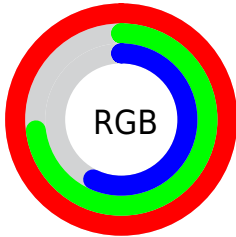
Format	Color
R _Y B	255, 213, 145
Decimal	16759697
CIE Lab	81.21, 19.53, 30.90
CIE LCh	81, 36.553, 57.706
Yxy	58.8450, 0.4065, 0.3731
Android (android.graphics.Color)	4294949777 (0xFFFFBB91)
YUV	202.5440, -28.3692, 46.0039
Hunter-Lab	76.7105, 14.9622, 26.8260

Details

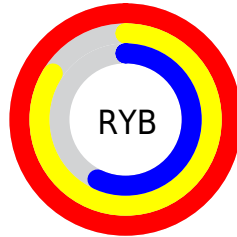
The XYZ color **64.1212, 58.8450, 34.7667** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.5203, 60.8258, 103.5274**, and the grayscale version is **56.6286, 59.5777, 64.8801**.

A 20% lighter version of the original color is **83.5994, 89.4847, 66.8989**, and **33.3104, 29.5941, 14.5463** is the 20% darker color. If you saturate the color by 10%, you get **59.2091, 51.8222, 24.4932**, and if you desaturate by 10%, it is **69.8446, 66.7841, 47.4889**.

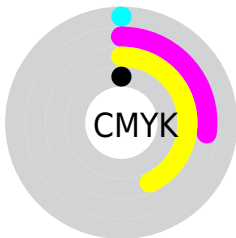
Distribution



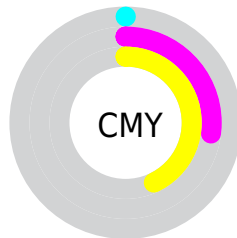
- Red (100%)
- Green (73%)
- Blue (57%)



- Red (100%)
- Yellow (84%)
- Blue (57%)



- Cyan (0%)
- Magenta (27%)
- Yellow (43%)
- Black (0%)



- Cyan (0%)
- Magenta (27%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1212, 58.8450, 34.7667 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 64.1212, 58.8450, 34.7667 by changing the saturation by 10% instead.

64.1212, 58.8450,
34.7667

64.1212, 58.8450,
34.7667

429.2225,
420.3273, 338.4103

47.0109, 42.4884,
23.2011

109.8582,
103.1524, 68.2717

33.2523, 29.4839,
14.5354

139.2157,
131.8719, 91.0481

22.4799, 19.4472,
8.3510

173.3862,
165.4811, 118.3986

14.3285, 11.9938,
4.2294

212.7351,
204.3645, 150.7416

8.4327, 6.7395,
1.7520

257.6279,
248.9064, 188.4958

4.4272, 3.2997,
0.3960

308.4298,

1.9465, 1.2901,

299.4912, 232.0796

0.0000

365.5062,
356.5034, 281.9116

0.6037, 0.1335,
0.0000

0.0000, 0.0000,
0.0000

64.1212, 58.8450,
34.7667

64.1212, 58.8450,
34.7667

59.2091, 51.8222,
24.4932

69.8446, 66.7841,
47.4889

55.0622, 45.6716,
16.5035

76.4134, 75.6644,
62.8028

51.6359, 40.3578,
10.6178

83.8646, 85.5202,
80.8445

48.8784, 35.8390,
6.6271

92.2317, 96.3815,
101.7393

■ 46.7283, 32.0684, 95.0500, 100.0000,
4.2781 108.9000

■ 45.5496, 29.8792,
3.3665

Harmonies

Analogous

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



69.9168, 58.8450, 46.4910



64.1212, 58.8450, 34.7667



56.5185, 58.8450, 30.6491

Triad

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



64.1212, 58.8450, 34.7667



42.5421, 58.8450, 62.4085



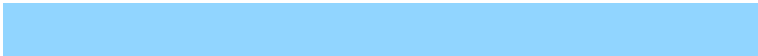
63.0158, 58.8450, 108.8158

Complementary

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



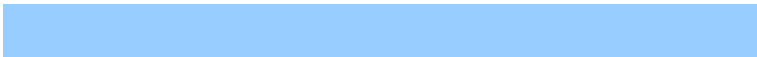
64.1212, 58.8450, 34.7667



53.5203, 60.8258, 103.5274

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.



55.3464, 58.8450, 115.7521



64.1212, 58.8450, 34.7667



43.9459, 58.8450, 85.6061

Square

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



64.1212, 58.8450, 34.7667



44.4468, 58.8450, 44.1830



48.4686, 58.8450, 106.4442



69.2390, 58.8450, 89.1811

Rectangle

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



64.1212, 58.8450, 34.7667



51.5957, 58.8450, 31.8587



48.4686, 58.8450, 106.4442



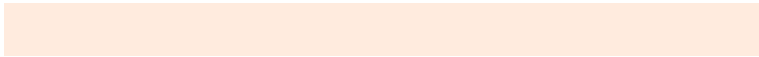
60.5013, 58.8450, 112.8805

Sweetspot

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



64.1227, 58.8478, 34.7679



83.9727, 85.6618, 81.1104



63.5886, 46.4005, 69.6707



17.6044, 17.8506, 16.4552



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.



64.1227, 58.8478, 34.7679



59.7282, 52.5760, 25.5427



77.6093, 85.8211, 39.2634



18.5779, 19.1240, 18.8565



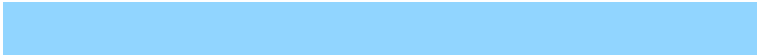
23.9335, 15.8782, 1.8034



2.4319, 1.7492, 0.2094

Inverse Universe

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



53.5203, 60.8258, 103.5274



47.8123, 54.7459, 102.6548



42.2407, 38.2666, 99.7676



17.9381, 19.2479, 23.0197



15.9356, 16.7807, 51.8337



1.6572, 1.8452, 5.0821

Previews

White Background



This preview shows how the XYZ color 64.1212, 58.8450, 34.7667 looks on a white background.

Color Contrast Check

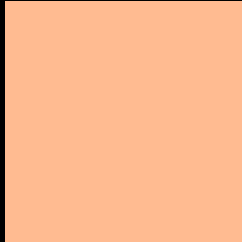
Large Text (above 18pt) WCAG AA × Fail

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 64.1212, 58.8450, 34.7667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

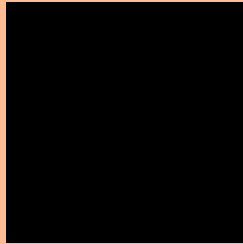
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1212, 58.8450, 34.7667

Background



This preview shows how black text looks on a background with the XYZ color 64.1212, 58.8450, 34.7667.



This preview shows how white text looks on a background with the XYZ color 64.1212, 58.8450,

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

64.1212, 58.8450, 34.7667

Protanopia

55.0253, 59.0744, 37.7805

Deuteranopia

60.0392, 58.6788, 34.5473



Tritanopia

67.8183, 58.6560, 59.3771

Trichromacy



Original Color

64.1212, 58.8450, 34.7667

Protanomaly

58.0242, 58.9254, 36.7493

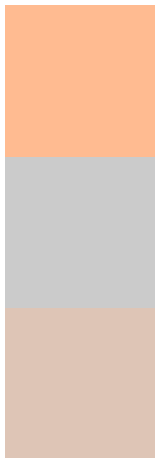
Deuteranomaly

61.3210, 58.6877, 34.4814

Tritanomaly

66.3163, 58.7153, 49.4329

Monochromacy



Original Color

64.1212, 58.8450, 34.7667

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

58.5340, 58.8395, 52.5281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1212, 58.8450, 34.7667 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 145) }
```

Border

The CSS property to change the border of an element to XYZ 64.1212, 58.8450, 34.7667 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, 145) }
```


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

```
.border{ border-color:rgb(255, 187, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1212, 58.8450, 34.7667 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, 145) }
```

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

```
.background{ background-color: rgb(255,  
187, 145) }
```

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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