

Converting Colors

XYZ(100.6822, 77.6034,
31.6284)

Have a look what the booklet for
XYZ(100.6822, 77.6034, 31.6284)
contains.

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Color

**XYZ(62.9638, 58.0438,
29.7148)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBA84
RGB	255, 186, 132
RGB Percent	100%, 73%, 52%
CMY	0.0000, 0.2706, 0.4823
CMYK	0.00, 0.27, 0.48, 0.00
HSL	26°, 100%, 76%
HSV	26°, 48%, 100%
XYZ	62.9638, 58.0438, 29.7148
YIQ	200.4750, 58.4580, -2.1660

Conversions

Conversions Part 2

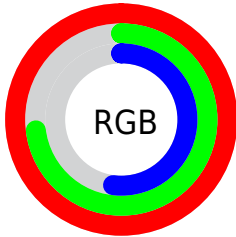
Format	Color
R_{YB}	255, 228, 132
Decimal	16759428
CIE _{Lab}	80.76, 18.78, 37.10
CIE _{LCh}	81, 41.589, 63.149
Yxy	58.0438, 0.4177, 0.3851
Android (android.graphics.Color)	4294949508 (0xFFFFBA84)
YUV	200.4750, -33.7582, 47.8184
Hunter-Lab	76.1865, 14.1938, 30.2058

Details

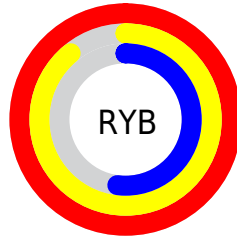
The XYZ color **62.9638, 58.0438, 29.7148** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.4514, 53.8965, 102.4569**, and the grayscale version is **55.3706, 58.2542, 63.4388**.

A 20% lighter version of the original color is **81.8551, 88.3094, 59.1856**, and **32.6377, 29.1049, 11.6822** is the 20% darker color. If you saturate the color by 10%, you get **58.5637, 51.7032, 20.6660**, and if you desaturate by 10%, it is **68.0949, 65.1640, 41.1123**.

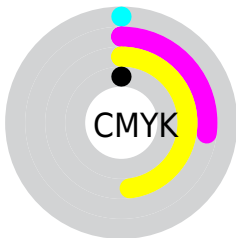
Distribution



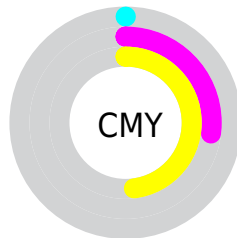
- Red (100%)
- Green (73%)
- Blue (52%)



- Red (100%)
- Yellow (89%)
- Blue (52%)



- Cyan (0%)
- Magenta (27%)
- Yellow (48%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9638, 58.0438, 29.7148 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 62.9638, 58.0438, 29.7148 by changing the saturation by 10% instead.

 62.9638, 58.0438,
29.7148

 62.9638, 58.0438,
29.7148


425.0999,
417.3491, 314.7386


 46.0705, 41.8439,
19.3720


 108.1994,
101.9866, 60.2665

 32.5063, 28.9791,
11.7599


 137.2724,
130.4983, 81.3125

 21.9059, 19.0650,
6.4598


 171.1359,
163.8827, 106.7634

 13.9040, 11.7172,
3.0534

210.1554,
202.5242, 137.0375

 8.1352, 6.5514,
1.1220

254.6962,
246.8072, 172.5536

 4.2341, 3.1832,
0.0000

305.1236,

 1.8354, 1.2281,

297.1161, 213.7301

0.0000

361.8030,
353.8353, 260.9856

0.5389, 0.0845,
0.0000

0.0000, 0.0000,
0.0000

62.9638, 58.0438,
29.7148

62.9638, 58.0438,
29.7148

58.5637, 51.7032,
20.6660

68.0949, 65.1640,
41.1123

54.8499, 46.1034,
13.7929

73.9896, 73.0835,
55.0076

51.7785, 41.2144,
8.9040

80.6835, 81.8319,
71.5413

49.2972, 36.9995,
5.7718

88.2083, 91.4343,
90.8427

■ 47.3371, 33.4150, 95.0499, 99.9999,
4.0841 108.9000

■ 47.0300, 32.8402,
3.8600

Harmonies

Analogous

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



70.1720, 58.0438, 40.7180



62.9638, 58.0438, 29.7148



54.2674, 58.0438, 26.7790

Triad

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



62.9638, 58.0438, 29.7148



40.2767, 58.0438, 65.8317



64.6941, 58.0438, 111.6059

Complementary

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



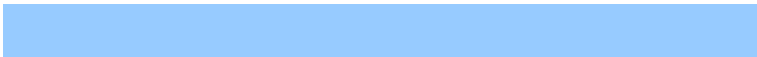
62.9638, 58.0438, 29.7148



48.4514, 53.8965, 102.4569

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.



56.0804, 58.0438, 123.1140



62.9638, 58.0438, 29.7148



42.4729, 58.0438, 92.7276

Square

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



62.9638, 58.0438, 29.7148



41.7160, 58.0438, 44.1652



48.0454, 58.0438, 115.4419



71.2416, 58.0438, 87.0419

Rectangle

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



62.9638, 58.0438, 29.7148



48.9321, 58.0438, 28.9413



48.0454, 58.0438, 115.4419



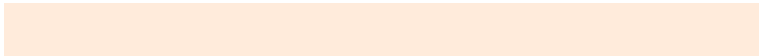
61.9143, 58.0438, 117.3811

Sweetspot

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



62.9652, 58.0466, 29.7159



83.7669, 85.7926, 79.3697



60.1167, 42.0131, 60.6323



17.5893, 17.9271, 16.1212



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.



62.9652, 58.0466, 29.7159



58.6590, 51.8435, 20.8526



78.6045, 89.3251, 34.9290



18.6656, 19.2994, 18.8857



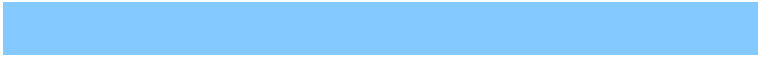
24.7170, 17.4452, 2.0645



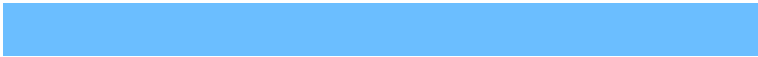
2.5132, 1.9117, 0.2365

Inverse Universe

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



48.4514, 53.8965, 102.4569



42.5521, 47.2054, 101.4766



36.9735, 30.9408, 98.6310



17.8483, 19.0683, 22.9898



14.7182, 14.3459, 51.4279



1.5419, 1.6145, 5.0436

Previews

White Background



This preview shows how the XYZ color 62.9638, 58.0438, 29.7148 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 62.9638, 58.0438, 29.7148 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 62.9638, 58.0438, 29.7148

Background



This preview shows how black text looks on a background with the XYZ color 62.9638, 58.0438, 29.7148.



This preview shows how white text looks on a background with the XYZ color 62.9638, 58.0438,

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

62.9638, 58.0438, 29.7148

Protanopia

54.0894, 58.3600, 32.4585

Deuteranopia

59.2220, 58.0387, 29.5540



Tritanopia

67.3895, 58.1580, 58.1259

Trichromacy



Original Color

62.9638, 58.0438, 29.7148

Protanomaly

57.1389, 58.2464, 31.5237

Deuteranomaly

60.5162, 58.0584, 29.4896

Tritanomaly

65.5242, 58.0672, 46.2827

Monochromacy



Original Color

62.9638, 58.0438, 29.7148

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

56.7682, 57.3410, 48.6334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9638, 58.0438, 29.7148 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 132) }
```

Border

The CSS property to change the border of an element to XYZ 62.9638, 58.0438, 29.7148 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, 132) }
```


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

```
.border{ border-color:rgb(255, 186, 132) }
```

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, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9638, 58.0438, 29.7148 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, 132) }
```

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

```
.background{ background-color: rgb(255,  
186, 132) }
```

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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