

Converting Colors

XYZ(63.5119, 62.8458, 18.4483)

Have a look what the booklet for
XYZ(63.5119, 62.8458, 18.4483)
contains.

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Color

**XYZ(63.5089, 62.8450,
18.4559)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC75A
RGB	255, 199, 90
RGB Percent	100%, 78%, 35%
CMY	0.0000, 0.2196, 0.6470
CMYK	0.00, 0.22, 0.65, 0.00
HSL	40°, 100%, 68%
HSV	40°, 65%, 100%
XYZ	63.5089, 62.8450, 18.4559
YIQ	203.3180, 68.3650, -22.0270

Conversions

Conversions Part 2

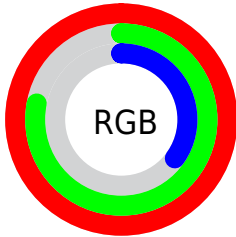
Format	Color
RYB	175, 255, 90
Decimal	16762714
CIELab	83.36, 8.84, 60.63
CIELCh	83, 61.268, 81.702
Yxy	62.8450, 0.4386, 0.4340
Android (android.graphics.Color)	4294952794 (0xFFFFC75A)
YUV	203.3180, -55.8658, 45.3251
Hunter-Lab	79.2748, 4.2695, 41.6891

Details

The XYZ color **63.5089, 62.8450, 18.4559** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **32.5450, 29.9503, 98.6730**, and the grayscale version is **57.2764, 60.2593, 65.6224**.

A 20% lighter version of the original color is **82.0340, 94.7936, 40.3589**, and **32.6769, 31.8415, 6.0139** is the 20% darker color. If you saturate the color by 10%, you get **60.6696, 58.6159, 13.0423**, and if you desaturate by 10%, it is **66.8365, 67.4556, 25.8695**.

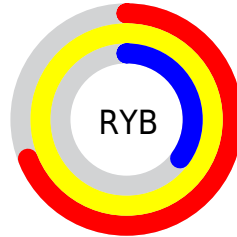
Distribution



Red (100%)

Green (78%)

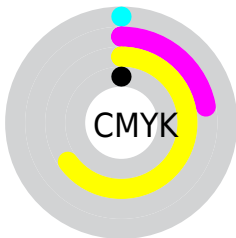
Blue (35%)



Red (69%)

Yellow (100%)

Blue (35%)

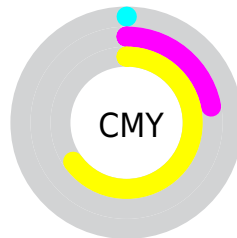


Cyan (0%)

Magenta (22%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5089, 62.8450, 18.4559 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 63.5089, 62.8450, 18.4559 by changing the saturation by 10% instead.


 63.5089, 62.8450,
18.4559


 63.5089, 62.8450,
18.4559


427.0444,
435.0067, 255.7502


 46.5132, 45.7158,
11.1050


 108.9811,
108.9459, 41.6370


 32.8573, 32.0216,
6.0224


 138.1883,
138.6863, 58.3043

 22.1759, 21.3780,
2.7897


 172.1967,
173.3994, 78.9141

 14.1035, 13.4006,
0.9883

 211.3717,
213.4694, 103.8850

 8.2749, 7.7050,
0.0000

256.0786,
259.2807, 133.6355

 4.3246, 3.9068,
0.0000

306.6828,

 1.8874, 1.6215,

311.2178, 168.5842

0.0000

363.5496,
369.6650, 209.1496

■ 0.5695, 0.3721,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.5089, 62.8450,
18.4559

■ 63.5089, 62.8450,
18.4559

■ 60.6696, 58.6159,
13.0423

■ 66.8365, 67.4556,
25.8695

■ 58.2725, 54.7393,
9.4142

■ 70.6841, 72.4558,
35.4605

■ 56.2681, 51.1950,
7.3140

■ 75.0854, 77.8644,
47.3908

■ 55.3281, 49.4366,
6.6261

■ 80.0696, 83.6959,
61.8058

85.6637, 89.9638,
78.8390

91.8927, 96.6807,
98.6143

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



77.0700, 62.8450, 25.4685



63.5089, 62.8450, 18.4559



50.7455, 62.8450, 20.3700

Triad

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



63.5089, 62.8450, 18.4559



38.9396, 62.8450, 99.3245



82.1941, 62.8450, 124.7584

Complementary

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



63.5089, 62.8450, 18.4559



32.5450, 29.9503, 98.6730

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.



69.7220, 62.8450, 161.8187



63.5089, 62.8450, 18.4559



45.2117, 62.8450, 143.7306

Square

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



63.5089, 62.8450, 18.4559



37.7868, 62.8450, 58.3693



56.1084, 62.8450, 169.8197



88.8596, 62.8450, 79.5795

Rectangle

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



63.5089, 62.8450, 18.4559



44.2498, 62.8450, 26.9468



56.1084, 62.8450, 169.8197



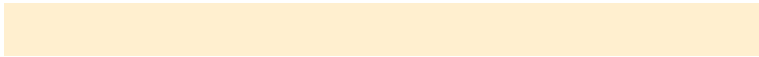
78.4609, 62.8450, 139.1815

Sweetspot

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



63.5104, 62.8481, 18.4571



83.1848, 87.2176, 71.1938



50.2219, 30.7030, 31.1934



17.4653, 18.2864, 14.2078



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.



63.5104, 62.8481, 18.4571



59.8332, 57.3004, 11.6608



70.3188, 89.1223, 23.1697



19.0117, 19.9915, 19.0011



29.0542, 26.1196, 3.5103



2.9302, 2.7458, 0.3756

Inverse Universe

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



32.5450, 29.9503, 98.6730



26.8439, 22.3785, 97.5124



28.7441, 18.1609, 96.5977



17.5068, 18.3852, 22.8759



11.3162, 7.5420, 50.2939



1.1983, 0.9273, 4.9291

Previews

White Background



This preview shows how the XYZ color 63.5089, 62.8450, 18.4559 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 63.5089, 62.8450, 18.4559 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 63.5089, 62.8450, 18.4559

Background



This preview shows how black text looks on a background with the XYZ color 63.5089, 62.8450, 18.4559.



This preview shows how white text looks on a background with the XYZ color 63.5089, 62.8450,

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

63.5089, 62.8450, 18.4559

Protanopia

57.4867, 62.8910, 19.4652

Deuteranopia

63.8823, 62.6274, 21.5533



Tritanopia

70.6503, 62.8334, 64.9043

Trichromacy



Original Color

63.5089, 62.8450, 18.4559

Protanomaly

59.6983, 62.9606, 19.1314

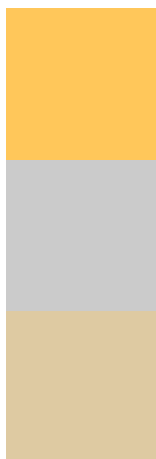
Deuteranomaly

63.6387, 62.5300, 20.2707

Tritanomaly

67.0534, 62.4522, 42.7028

Monochromacy



Original Color

63.5089, 62.8450, 18.4559

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.7663, 60.3793, 42.7922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5089, 62.8450, 18.4559 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, 199, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 90)  
}
```

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, 199, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 90) }
```

Border

The CSS property to change the border of an element to XYZ 63.5089, 62.8450, 18.4559 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, 199, 90) }
```


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

```
.border{ border-color:rgb(255, 199, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5089, 62.8450, 18.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 90) }
```

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

```
.background{ background-color: rgb(255,  
199, 90) }
```

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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