

# Converting Colors

XYZ(60.4610, 58.1589, 23.6619)

Have a look what the booklet for  
XYZ(60.4610, 58.1589, 23.6619)  
contains.

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# Color

**XYZ(60.4610, 58.1589,  
23.6619)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9BE71
RGB	249, 190, 113
RGB Percent	98%, 75%, 44%
CMY	0.0235, 0.2549, 0.5569
CMYK	0.00, 0.24, 0.55, 0.02
HSL	34°, 92%, 71%
HSV	34°, 55%, 98%
XYZ	60.4610, 58.1589, 23.6619
YIQ	198.8630, 59.8810, -11.4390

# Conversions

## Conversions Part 2

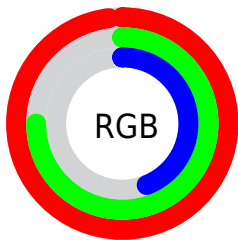
Format	Color
R <sub>Y</sub> B	217, 249, 113
Decimal	16367217
CIE Lab	80.83, 12.66, 46.70
CIE LCh	81, 48.385, 74.837
Yxy	58.1589, 0.4249, 0.4088
Android (android.graphics.Color)	4294557297 (0xFFFF9BE71)
YUV	198.8630, -42.3305, 43.9701
Hunter-Lab	76.2620, 8.0575, 34.9874

# Details

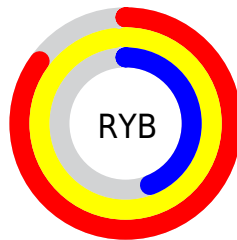
The XYZ color **60.4610, 58.1589, 23.6619** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.6607, 39.8535, 95.2770**, and the grayscale version is **54.4286, 57.2632, 62.3596**.

A 20% lighter version of the original color is **81.0787, 89.9247, 49.1603**, and **31.0504, 29.1863, 8.5544** is the 20% darker color. If you saturate the color by 10%, you get **56.9938, 53.1686, 16.5134**, and if you desaturate by 10%, it is **64.4889, 63.6555, 32.8954**.

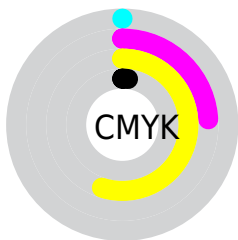
# Distribution



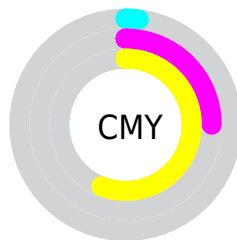
- Red (98%)
- Green (75%)
- Blue (44%)



- Red (85%)
- Yellow (98%)
- Blue (44%)



- Cyan (0%)
- Magenta (24%)
- Yellow (55%)
- Black (2%)



- Cyan (2%)
- Magenta (25%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4610, 58.1589, 23.6619 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 60.4610, 58.1589, 23.6619 by changing the saturation by 10% instead.



60.4610, 58.1589,  
23.6619

60.4610, 58.1589,  
23.6619

416.1025,  
417.7778, 284.3380

44.0412, 41.9364,  
14.8731

104.6007,  
102.1542, 50.4148

30.9010, 29.0515,  
8.5848

133.0512,  
130.6958, 69.2160

20.6749, 19.1198,  
4.3783

166.2428,  
164.1126, 92.1918

12.9977, 11.7569,  
1.8351

204.5406,  
202.7889, 119.7607

7.5039, 6.5783,  
0.4509

248.3102,  
247.1092, 152.3412

3.8283, 3.1998,  
0.0000

297.9168,

1.6055, 1.2369,

297.4579, 190.3519

0.0000

353.7258,  
354.2193, 234.2113

■ 0.3960, 0.0916,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.4610, 58.1589,  
23.6619

■ 60.4610, 58.1589,  
23.6619

■ 56.9938, 53.1686,  
16.5134

■ 64.4889, 63.6555,  
32.8954

■ 54.0470, 48.6556,  
11.2752


■ 69.1057, 69.6685,  
44.3625


■ 51.5808, 44.6002,  
7.7495

■ 74.3420, 76.2182,  
58.2020


■ 49.5450, 40.9757,  
5.6923

■ 80.2252, 83.3209,  
74.5404

 48.5899, 39.1860,  
5.0027

 86.7806, 90.9921,  
93.4952

 92.8172, 98.7605,  
108.7784

 92.8767, 98.8796,  
108.7983

# Harmonies

## Analogous

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



70.0627, 58.1589, 31.8959



60.4610, 58.1589, 23.6619



50.4999, 58.1589, 23.6199

# Triad

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



60.4610, 58.1589, 23.6619



38.6988, 58.1589, 78.4967



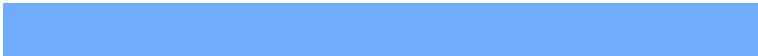
69.9722, 58.1589, 110.9431

# Complementary

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



60.4610, 58.1589, 23.6619



38.6607, 39.8535, 95.2770

# 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.



60.3489, 58.1589, 132.8534



60.4610, 58.1589, 23.6619



42.7353, 58.1589, 110.6216

# Square

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



60.4610, 58.1589, 23.6619



38.7211, 58.1589, 49.9876



50.4006, 58.1589, 132.7206



75.9881, 58.1589, 78.8463



# Rectangle

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



60.4610, 58.1589, 23.6619



45.0072, 58.1589, 28.0310



50.4006, 58.1589, 132.7206



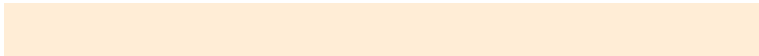
67.0040, 58.1589, 120.1203

# Sweetspot

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



60.4624, 58.1617, 23.6630



83.7748, 86.8685, 76.1042



52.6317, 35.0142, 44.1316



17.6494, 18.2560, 15.4980



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.



60.4624, 58.1617, 23.6630



59.6750, 55.3970, 16.5002



73.5428, 87.8560, 28.7052



18.0603, 18.8564, 18.1502



26.1535, 21.2637, 2.7259



2.5277, 2.1802, 0.2876



# Inverse Universe

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



38.6607, 39.8535, 95.2770



34.4723, 34.2713, 99.4059



30.7225, 22.6292, 92.3708



16.9023, 17.8815, 21.9459



12.1591, 9.6737, 49.1999



1.2293, 1.1023, 4.5912



# Previews

## White Background



This preview shows how the XYZ color 60.4610, 58.1589, 23.6619 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 60.4610, 58.1589, 23.6619 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 60.4610, 58.1589, 23.6619**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.4610, 58.1589, 23.6619.



This preview shows how white text looks on a background with the XYZ color 60.4610, 58.1589,



# 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

60.4610, 58.1589, 23.6619

### Protanopia

53.6127, 58.2733, 25.2518

### Deuteranopia

59.4865, 58.3040, 23.7413



## Tritanopia

67.5015, 58.2028, 58.7155

# Trichromacy



## Original Color

60.4610, 58.1589, 23.6619

## Protanomaly

56.0736, 58.1824, 24.7979

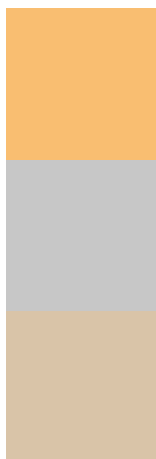
## Deuteranomaly

59.6175, 58.0467, 23.6847

## Tritanomaly

64.4400, 57.8802, 43.3730

# Monochromacy



## Original Color

60.4610, 58.1589, 23.6619

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

55.4231, 57.0587, 45.1381

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.4610, 58.1589, 23.6619 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(249, 190, 113)` looks like.

```
.text, #text, p{  
    color:rgb(249, 190, 113)  
}
```

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(249, 190, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 190, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 60.4610, 58.1589, 23.6619 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(249, 190, 113) }
```



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

```
.border{ border-color:rgb(249, 190, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 190, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 190, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 190, 113);  
box-shadow:4px 4px 4px 4px rgb(249, 190,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.4610, 58.1589, 23.6619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 190, 113) }
```

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

```
.background{ background-color: rgb(249,  
190, 113) }
```

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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