

Converting Colors

XYZ(59.7845, 57.5492, 20.8523)

Have a look what the booklet for
XYZ(59.7845, 57.5492, 20.8523)
contains.

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Color

**XYZ(59.7127, 57.5142,
20.7861)**

Conversions

Conversions Part 1

Format	Color
Hex	F9BD67
RGB	249, 189, 103
RGB Percent	98%, 74%, 40%
CMY	0.0235, 0.2588, 0.5961
CMYK	0.00, 0.24, 0.59, 0.02
HSL	35°, 92%, 69%
HSV	35°, 59%, 98%
XYZ	59.7127, 57.5142, 20.7861
YIQ	197.1360, 63.3660, -14.0260

Conversions

Conversions Part 2

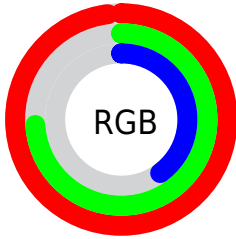
Format	Color
R _Y B	205, 249, 103
Decimal	16366951
CIE Lab	80.47, 12.42, 51.16
CIE LCh	80, 52.651, 76.353
Yxy	57.5142, 0.4327, 0.4167
Android (android.graphics.Color)	4294557031 (0xFFF9BD67)
YUV	197.1360, -46.4090, 45.4847
Hunter-Lab	75.8381, 7.8289, 36.8362

Details

The XYZ color **59.7127, 57.5142, 20.7861** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.7889, 35.9159, 94.6683**, and the grayscale version is **53.3992, 56.1801, 61.1802**.

A 20% lighter version of the original color is **79.8932, 88.9651, 44.4137**, and **30.4103, 28.6751, 7.1809** is the 20% darker color. If you saturate the color by 10%, you get **56.5206, 52.8412, 14.4474**, and if you desaturate by 10%, it is **63.4349, 62.6523, 29.1381**.

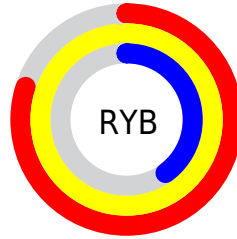
Distribution



Red (98%)

Green (74%)

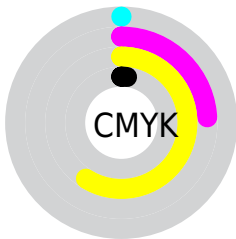
Blue (40%)



Red (80%)

Yellow (98%)

Blue (40%)

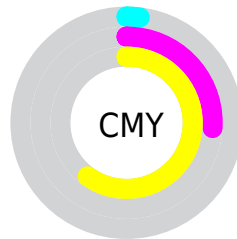


Cyan (0%)

Magenta (24%)

Yellow (59%)

Black (2%)



Cyan (2%)

Magenta (26%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7127, 57.5142, 20.7861 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 59.7127, 57.5142, 20.7861 by changing the saturation by 10% instead.

59.7127, 57.5142,
20.7861

59.7127, 57.5142,
20.7861

413.3897,
415.3733, 268.8831

43.4357, 41.4182,
12.7780

103.5215,
101.2151, 45.6074

30.4231, 28.6460,
7.1469

131.7840,
129.5888, 63.2578

20.3096, 18.8132,
3.4743

164.7724,
162.8238, 84.9593

12.7299, 11.5354,
1.3416

202.8520,
201.3046, 111.1305

7.3185, 6.4282,
0.0956

246.3881,
245.4156, 142.1899

3.7102, 3.1071,
0.0000

295.7463,

1.5395, 1.1879,

295.5411, 178.5562

0.0000

351.2917,
352.0655, 220.6477

■ 0.3525, 0.0518,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7127, 57.5142,
20.7861

■ 59.7127, 57.5142,
20.7861

■ 56.5206, 52.8412,
14.4474

■ 63.4349, 62.6523,
29.1381

■ 53.8171, 48.6047,
9.9378

■ 67.7162, 68.2651,
39.6589

■ 51.5600, 44.7849,
7.0445

■ 72.5878, 74.3722,
52.4924

■ 49.6877, 41.3518,
5.4606

■ 78.0773, 80.9894,
67.7691

49.4509, 40.9080,
5.2897

84.2102, 88.1313,
85.6097

91.0105, 95.8121,
106.1267

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.



70.2872, 57.5142, 28.6942



59.7127, 57.5142, 20.7861



49.0248, 57.5142, 21.1366

Triad

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



59.7127, 57.5142, 20.7861



37.0629, 57.5142, 80.9044



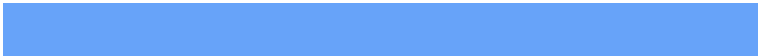
71.1104, 57.5142, 113.2924

Complementary

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



59.7127, 57.5142, 20.7861



35.7889, 35.9159, 94.6683

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.



60.7231, 57.5142, 138.7766



59.7127, 57.5142, 20.7861



41.5490, 57.5142, 116.2668

Square

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



59.7127, 57.5142, 20.7861



36.8674, 57.5142, 49.6137



49.9111, 57.5142, 140.0160



77.4297, 57.5142, 77.7286

Rectangle

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



59.7127, 57.5142, 20.7861



43.2573, 57.5142, 25.8999



49.9111, 57.5142, 140.0160



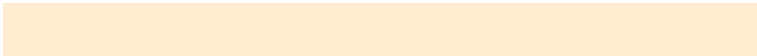
67.9215, 57.5142, 123.7686

Sweetspot

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



59.7141, 57.5170, 20.7872



82.7965, 85.9393, 72.6106



50.6031, 32.5150, 38.6526



17.3431, 17.9447, 14.4671



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.



59.7141, 57.5170, 20.7872



59.2185, 55.1020, 14.4436



71.1932, 86.7062, 25.8163



18.0945, 18.9248, 18.1616



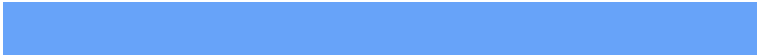
26.6138, 22.1843, 2.8793



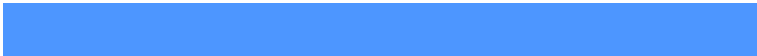
2.5692, 2.2633, 0.3015

Inverse Universe

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



35.7889, 35.9159, 94.6683



31.9526, 30.5416, 98.8188



29.0417, 20.1968, 91.9898



16.8688, 17.8144, 21.9347



11.8446, 9.0448, 49.0951



1.1985, 1.0407, 4.5809

Previews

White Background



This preview shows how the XYZ color 59.7127, 57.5142, 20.7861 looks on a white background.

Color Contrast Check

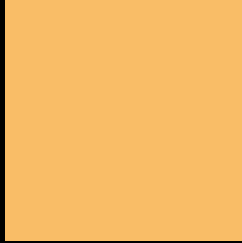
Large Text (above 18pt) WCAG AA × Fail

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 59.7127, 57.5142, 20.7861 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 59.7127, 57.5142, 20.7861

Background



This preview shows how black text looks on a background with the XYZ color 59.7127, 57.5142, 20.7861.



This preview shows how white text looks on a background with the XYZ color 59.7127, 57.5142,

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

59.7127, 57.5142, 20.7861

Protanopia

52.8233, 57.5857, 22.2410

Deuteranopia

58.8677, 57.3990, 20.8084



Tritanopia

66.9857, 57.3505, 57.9913

Trichromacy



Original Color

59.7127, 57.5142, 20.7861

Protanomaly

55.2964, 57.5094, 21.8217

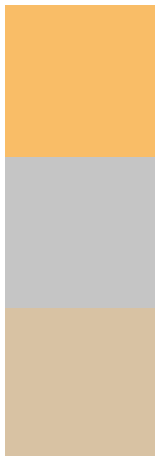
Deuteranomaly

59.2194, 57.5803, 20.8249

Tritanomaly

63.7867, 57.2877, 40.9534

Monochromacy



Original Color

59.7127, 57.5142, 20.7861

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

54.2215, 55.8268, 42.5682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7127, 57.5142, 20.7861 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, 189, 103)` looks like.

```
.text, #text, p{  
    color:rgb(249, 189, 103)  
}
```

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, 189, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 189, 103) }
```

Border

The CSS property to change the border of an element to XYZ 59.7127, 57.5142, 20.7861 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, 189, 103) }
```


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

```
.border{ border-color:rgb(249, 189, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 189, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 189, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 189, 103);  
box-shadow:4px 4px 4px 4px rgb(249, 189,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7127, 57.5142, 20.7861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 189, 103) }
```

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

```
.background{ background-color: rgb(249,  
189, 103) }
```

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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