

Converting Colors

XYZ(63.7289, 65.7500, 18.0108)

Have a look what the booklet for
XYZ(63.7289, 65.7500, 18.0108)
contains.

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Color

**XYZ(63.7362, 65.7908,
17.9340)**

Conversions

Conversions Part 1

Format	Color
Hex	FBCF55
RGB	251, 207, 85
RGB Percent	98%, 81%, 33%
CMY	0.0157, 0.1882, 0.6667
CMYK	0.00, 0.18, 0.66, 0.02
HSL	44°, 95%, 66%
HSV	44°, 66%, 98%
XYZ	63.7362, 65.7908, 17.9340
YIQ	206.2480, 65.3860, -28.6140

Conversions

Conversions Part 2

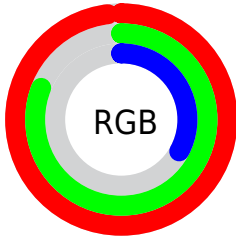
Format	Color
RYB	145, 251, 85
Decimal	16502613
CIELab	84.89, 2.77, 64.32
CIELCh	85, 64.376, 87.531
Yxy	65.7908, 0.4322, 0.4462
Android (android.graphics.Color)	4294692693 (0xFFFBCE55)
YUV	206.2480, -59.7753, 39.2475
Hunter-Lab	81.1115, -1.6826, 43.6689

Details

The XYZ color **63.7362, 65.7908, 17.9340** 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 **29.0089, 24.5960, 94.4848**, and the grayscale version is **59.1686, 62.2499, 67.7902**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **33.0635, 33.9334, 5.7844** is the 20% darker color. If you saturate the color by 10%, you get **61.3330, 62.3074, 13.0556**, and if you desaturate by 10%, it is **66.5639, 69.5578, 24.6992**.

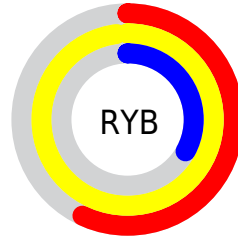
Distribution



Red (98%)

Green (81%)

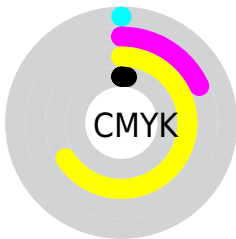
Blue (33%)



Red (57%)

Yellow (98%)

Blue (33%)

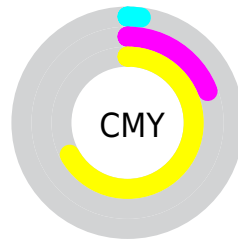


Cyan (0%)

Magenta (18%)

Yellow (66%)

Black (2%)



Cyan (2%)

Magenta (19%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7362, 65.7908, 17.9340 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 63.7362, 65.7908, 17.9340 by changing the saturation by 10% instead.

63.7362, 65.7908,
17.9340

63.7362, 65.7908,
17.9340

427.8537,
445.6283, 252.7224

46.6979, 48.1026,
10.7337

109.3068,
113.1860, 40.7373

33.0039, 33.9081,
5.7761

138.5698,
143.6618, 57.1772

22.2887, 22.8230,
2.6429

172.6385,
179.1690, 77.5342

14.1869, 14.4629,
0.9145

211.8781,
220.0918, 102.2267

8.3334, 8.4433,
0.0000

256.6541,
266.8148, 131.6732

4.3626, 4.3799,
0.0000

307.3318,

1.9092, 1.8883,

319.7223, 166.2923

0.0000

364.2766,
379.1987, 206.5025

■ 0.5822, 0.5413,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7362, 65.7908,
17.9340

■ 63.7362, 65.7908,
17.9340

■ 61.3330, 62.3074,
13.0556

■ 66.5639, 69.5578,
24.6992

■ 59.3096, 59.0807,
9.8526


■ 69.8458, 73.6139,
33.5246


■ 57.6176, 56.0925,
8.0688


■ 73.6141, 77.9757,
44.5681


■ 57.0235, 54.9894,
7.6085

■ 77.8964, 82.6556,
57.9712

 82.7179, 87.6649,
73.8635

 88.1022, 93.0142,
92.3652

 93.1393, 98.3408,
108.6804

 93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



78.6570, 65.7908, 23.3047



63.7362, 65.7908, 17.9340



50.5541, 65.7908, 21.7213

Triad

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



63.7362, 65.7908, 17.9340



40.9973, 65.7908, 115.0449



89.0100, 65.7908, 123.3770

Complementary

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



63.7362, 65.7908, 17.9340



29.0089, 24.5960, 94.4848

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.



76.2670, 65.7908, 167.8398



63.7362, 65.7908, 17.9340



48.7770, 65.7908, 161.8679

Square

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



63.7362, 65.7908, 17.9340



38.6883, 65.7908, 68.2630



61.3434, 65.7908, 184.0954



94.5829, 65.7908, 75.1162

Rectangle

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



63.7362, 65.7908, 17.9340



44.2027, 65.7908, 30.2355



61.3434, 65.7908, 184.0954



85.3354, 65.7908, 139.8718

Sweetspot

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



63.7377, 65.7940, 17.9353



83.7378, 88.8171, 69.8567



47.0126, 28.5989, 23.9052



17.6234, 18.6985, 13.9651



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.



63.7377, 65.7940, 17.9353



62.9248, 63.5810, 12.3907



63.3652, 83.6866, 21.4086



18.3154, 19.3667, 18.2352



30.0998, 29.1562, 4.0413



2.8745, 2.8738, 0.4032

Inverse Universe

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



29.0089, 24.5960, 94.4848



24.7986, 18.4945, 96.8705



28.9354, 17.7280, 93.1630



16.6571, 17.3911, 21.8642



10.2938, 5.9431, 48.5782



1.0363, 0.7162, 4.5268

Previews

White Background



This preview shows how the XYZ color 63.7362, 65.7908, 17.9340 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 63.7362, 65.7908, 17.9340 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 63.7362, 65.7908, 17.9340

Background



This preview shows how black text looks on a background with the XYZ color 63.7362, 65.7908, 17.9340.



This preview shows how white text looks on a background with the XYZ color 63.7362, 65.7908,

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

63.7362, 65.7908, 17.9340

Protanopia

59.8559, 65.6080, 18.5257

Deuteranopia

66.4080, 65.8758, 27.9541



Tritanopia

72.8391, 65.8456, 69.8432

Trichromacy



Original Color

63.7362, 65.7908, 17.9340

Protanomaly

61.0019, 65.4658, 18.2251

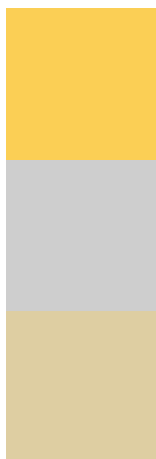
Deuteranomaly

65.4647, 65.8376, 23.7256

Tritanomaly

68.5512, 65.5607, 44.6388

Monochromacy



Original Color

63.7362, 65.7908, 17.9340

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.7171, 62.2808, 43.1091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7362, 65.7908, 17.9340 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(251, 207, 85)` looks like.

```
.text, #text, p{  
    color:rgb(251, 207, 85)  
}
```

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(251, 207, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 207, 85) }
```

Border

The CSS property to change the border of an element to XYZ 63.7362, 65.7908, 17.9340 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(251, 207, 85) }
```


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

```
.border{ border-color:rgb(251, 207, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 207, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 207, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 207, 85);  
box-shadow:4px 4px 4px 4px rgb(251, 207,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7362, 65.7908, 17.9340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 207, 85) }
```

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

```
.background{ background-color: rgb(251,  
207, 85) }
```

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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