

Converting Colors

XYZ(62.8791, 63.8122, 11.3812)

Have a look what the booklet for
XYZ(62.8791, 63.8122, 11.3812)
contains.

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Color

**XYZ(62.8152, 63.6829,
11.3642)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCA2C
RGB	255, 202, 44
RGB Percent	100%, 79%, 17%
CMY	0.0000, 0.2078, 0.8274
CMYK	0.00, 0.21, 0.83, 0.00
HSL	45°, 100%, 59%
HSV	45°, 83%, 100%
XYZ	62.8152, 63.6829, 11.3642
YIQ	199.8350, 82.3060, -37.9020

Conversions

Conversions Part 2

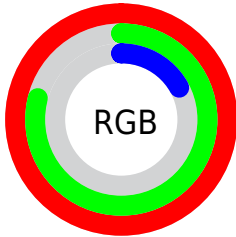
Format	Color
R _Y B	115, 255, 44
Decimal	16763436
CIE Lab	83.80, 5.35, 77.90
CIE LCh	84, 78.088, 86.072
Yxy	63.6829, 0.4556, 0.4619
Android (android.graphics.Color)	4294953516 (0xFFFFCA2C)
YUV	199.8350, -76.8267, 48.3797
Hunter-Lab	79.8016, 0.8522, 47.4179

Details

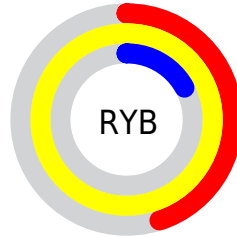
The XYZ color **62.8152, 63.6829, 11.3642** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **23.3636, 16.3050, 96.5229**, and the grayscale version is **55.2225, 58.0984, 63.2692**.

A 20% lighter version of the original color is **79.5498, 93.7999, 27.2771**, and **32.5822, 32.5173, 4.5592** is the 20% darker color. If you saturate the color by 10%, you get **61.0035, 60.6059, 9.0771**, and if you desaturate by 10%, it is **64.9860, 67.0085, 15.2219**.

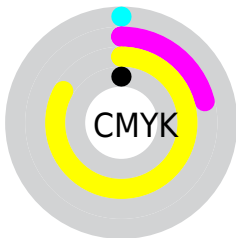
Distribution



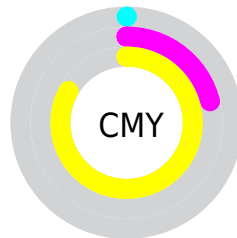
- Red (100%)
- Green (79%)
- Blue (17%)



- Red (45%)
- Yellow (100%)
- Blue (17%)



- Cyan (0%)
- Magenta (21%)
- Yellow (83%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8152, 63.6829, 11.3642 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 62.8152, 63.6829, 11.3642 by changing the saturation by 10% instead.


 62.8152, 63.6829,
11.3642


 62.8152, 63.6829,
11.3642


424.5688,
438.0436, 210.9757

 45.9498, 46.3939,
6.1951


 107.9862,
110.1541, 28.9786

 32.4107, 32.5568,
2.8934

 137.0225,
140.1051, 42.2609


 21.8324, 21.7871,
1.0405


 170.8464,
175.0456, 59.0848

 13.8497, 13.7006,
0.0000


 209.8234,
215.3599, 79.8687

 8.0972, 7.9127,
0.0000

 254.3188,
261.4325, 105.0313

 4.2096, 4.0391,
0.0000

 304.6979,

 1.8214, 1.6955,

313.6477, 134.9909

0.0000

361.3261,
372.3900, 170.1662

■ 0.5305, 0.4207,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.8152, 63.6829,
11.3642

■ 62.8152, 63.6829,
11.3642

■ 61.0035, 60.6059,
9.0771


■ 64.9860, 67.0085,
15.2219


■ 59.8605, 58.5014,
8.1369


■ 67.5592, 70.5934,
20.8933


■ 70.5755, 74.4577,
28.5831

■ 74.0689, 78.6161,
38.4676

 78.0701, 83.0819,
50.7036

 82.6066, 87.8674,
65.4338

 87.7040, 92.9839,
82.7892

 93.3862, 98.4418,
102.8917

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



80.8542, 63.6829, 16.8032



62.8152, 63.6829, 11.3642



47.1668, 63.6829, 14.4126

Triad

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



62.8152, 63.6829, 11.3642



35.4855, 63.6829, 119.6544



92.2053, 63.6829, 136.5053

Complementary

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



62.8152, 63.6829, 11.3642



23.3636, 16.3050, 96.5229

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.



76.2021, 63.6829, 193.4002



62.8152, 63.6829, 11.3642



43.9315, 63.6829, 180.8659

Square

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



62.8152, 63.6829, 11.3642



33.2394, 63.6829, 63.0712



58.2983, 63.6829, 212.5965



99.7290, 63.6829, 76.0107

Rectangle

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



62.8152, 63.6829, 11.3642



39.7571, 63.6829, 22.3028



58.2983, 63.6829, 212.5965



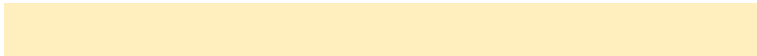
87.5076, 63.6829, 157.6165

Sweetspot

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



62.8166, 63.6860, 11.3654



81.5347, 86.7589, 61.8834



44.4541, 23.9872, 14.4127



17.1066, 18.2077, 12.1192



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.



62.8166, 63.6860, 11.3654



60.0148, 58.7872, 8.2572



61.6037, 84.7901, 15.5029



19.1522, 20.2726, 19.0479



31.4037, 30.8186, 4.2934



3.1444, 3.1742, 0.4470

Inverse Universe

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



23.3636, 16.3050, 96.5229



20.0275, 11.1276, 95.7000



23.4893, 11.3615, 95.5621



17.3737, 18.1189, 22.8316



10.4899, 5.8893, 50.0185



1.1038, 0.7382, 4.8976

Previews

White Background



This preview shows how the XYZ color 62.8152, 63.6829, 11.3642 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 62.8152, 63.6829, 11.3642 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 62.8152, 63.6829, 11.3642

Background



This preview shows how black text looks on a background with the XYZ color 62.8152, 63.6829, 11.3642.



This preview shows how white text looks on a background with the XYZ color 62.8152, 63.6829,

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

62.8152, 63.6829, 11.3642

Protanopia

57.8007, 63.9526, 11.8824

Deuteranopia

64.2432, 63.5081, 21.1842



Tritanopia

71.2090, 63.7596, 65.6804

Trichromacy



Original Color

62.8152, 63.6829, 11.3642

Protanomaly

59.4044, 63.6924, 11.6455

Deuteranomaly

63.5746, 63.6125, 16.5171

Tritanomaly

66.1682, 62.8152, 35.8312

Monochromacy



Original Color

62.8152, 63.6829, 11.3642

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

55.3598, 58.9721, 34.4516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8152, 63.6829, 11.3642 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, 202, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 44)  
}
```

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, 202, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 44) }
```

Border

The CSS property to change the border of an element to XYZ 62.8152, 63.6829, 11.3642 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, 202, 44) }
```


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

```
.border{ border-color:rgb(255, 202, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8152, 63.6829, 11.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 44) }
```

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

```
.background{ background-color: rgb(255,  
202, 44) }
```

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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