

Converting Colors

XYZ(76.3443, 70.7017, 10.7570)

Have a look what the booklet for
XYZ(76.3443, 70.7017, 10.7570)
contains.

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Color

**XYZ(62.5823, 63.5898,
10.1380)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCA1D
RGB	255, 202, 29
RGB Percent	100%, 79%, 11%
CMY	0.0000, 0.2078, 0.8862
CMYK	0.00, 0.21, 0.89, 0.00
HSL	46°, 100%, 56%
HSV	46°, 89%, 100%
XYZ	62.5823, 63.5898, 10.1380
YIQ	198.1250, 87.1210, -42.5670

Conversions

Conversions Part 2

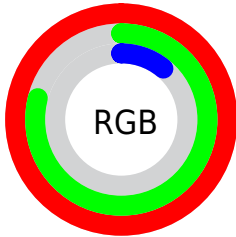
Format	Color
R _Y B	98, 255, 29
Decimal	16763421
CIE Lab	83.75, 5.02, 81.34
CIE LCh	84, 81.492, 86.468
Yxy	63.5898, 0.4591, 0.4665
Android (android.graphics.Color)	4294953501 (0xFFFFCA1D)
YUV	198.1250, -83.3786, 49.8794
Hunter-Lab	79.7432, 0.5358, 48.2825

Details

The XYZ color **62.5823, 63.5898, 10.1380** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **21.5743, 13.5163, 96.0788**, and the grayscale version is **54.2090, 57.0321, 62.1080**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **32.5822, 32.5173, 4.5592** is the 20% darker color. If you saturate the color by 10%, you get **61.0050, 60.7598, 8.6133**, and if you desaturate by 10%, it is **64.4701, 66.6361, 13.0173**.

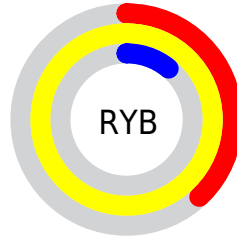
Distribution



Red (100%)

Green (79%)

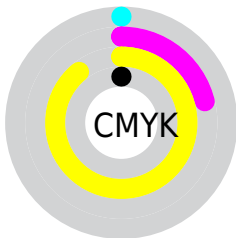
Blue (11%)



Red (38%)

Yellow (100%)

Blue (11%)

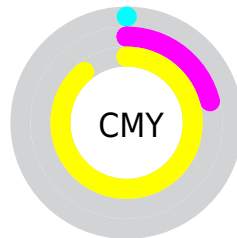


Cyan (0%)

Magenta (21%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5823, 63.5898, 10.1380 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 62.5823, 63.5898, 10.1380 by changing the saturation by 10% instead.


 62.5823, 63.5898,
10.1380

 62.5823, 63.5898,
10.1380


423.7358,
437.7068, 202.1746


 45.7608, 46.3185,
5.3838


 107.6519,
110.0200, 26.6666

 32.2609, 32.4972,
2.4115


 136.6306,
139.9476, 39.2780

 21.7174, 21.7416,
0.7927


 170.3925,
174.8629, 55.3456

 13.7648, 13.6671,
0.0000

 209.3028,
215.1502, 75.2879

 8.0379, 7.8895,
0.0000

 253.7269,
261.1938, 99.5234

 4.1712, 4.0243,
0.0000

 304.0302,

 1.7994, 1.6872,

313.3782, 128.4707

0.0000

360.5780,
372.0877, 162.5482

■ 0.5173, 0.4153,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.5823, 63.5898,
10.1380

■ 62.5823, 63.5898,
10.1380

■ 61.0050, 60.7598,
8.6133


■ 64.4701, 66.6361,
13.0173


■ 60.8006, 60.3816,
8.4503


■ 66.7260, 69.9151,
17.5696


■ 69.3947, 73.4480,
24.0220

■ 72.5130, 77.2507,
32.5654

 76.1134, 81.3369,
43.3675

 80.2249, 85.7191,
56.5786

 84.8742, 90.4090,
72.3363

 90.0858, 95.4171,
90.7675

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



81.4812, 63.5898, 15.3346



62.5823, 63.5898, 10.1380



46.3809, 63.5898, 13.2203

Triad

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



62.5823, 63.5898, 10.1380



34.6006, 63.5898, 123.0205



93.8511, 63.5898, 139.0797

Complementary

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



62.5823, 63.5898, 10.1380



21.5743, 13.5163, 96.0788

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.



77.0873, 63.5898, 199.9996



62.5823, 63.5898, 10.1380



43.3744, 63.5898, 187.9512

Square

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



62.5823, 63.5898, 10.1380



32.2190, 63.5898, 63.3500



58.3475, 63.5898, 221.2554



101.6389, 63.5898, 75.4810

Rectangle

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



62.5823, 63.5898, 10.1380



38.7920, 63.5898, 21.1660



58.3475, 63.5898, 221.2554



88.9355, 63.5898, 161.5579

Sweetspot

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



62.5837, 63.5929, 10.1392



80.9431, 86.4599, 58.9603



43.3392, 22.8031, 10.8177



17.0056, 18.1748, 11.5645



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.



62.5837, 63.5929, 10.1392



60.8011, 60.3822, 8.4504



59.4028, 83.6823, 14.1845



19.1790, 20.3261, 19.0568



31.8900, 31.7913, 4.4555



3.1881, 3.2617, 0.4615

Inverse Universe

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



21.5743, 13.5163, 96.0788



19.6551, 10.4303, 95.5850



22.2821, 10.0543, 95.3732



17.3487, 18.0689, 22.8232



10.3640, 5.6377, 49.9765



1.0884, 0.7075, 4.8925

Previews

White Background



This preview shows how the XYZ color 62.5823, 63.5898, 10.1380 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 62.5823, 63.5898, 10.1380 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 62.5823, 63.5898, 10.1380

Background



This preview shows how black text looks on a background with the XYZ color 62.5823, 63.5898, 10.1380.



This preview shows how white text looks on a background with the XYZ color 62.5823, 63.5898,

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

62.5823, 63.5898, 10.1380

Protanopia

57.8860, 64.0250, 10.6035

Deuteranopia

64.1464, 63.4694, 20.6743



Tritanopia

70.9887, 63.3189, 65.6070

Trichromacy



Original Color

62.5823, 63.5898, 10.1380

Protanomaly

59.5093, 63.7741, 10.4014

Deuteranomaly

63.3627, 63.5277, 15.4011

Tritanomaly

65.7136, 62.6333, 33.4369

Monochromacy



Original Color

62.5823, 63.5898, 10.1380

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

54.1522, 57.7131, 31.9525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5823, 63.5898, 10.1380 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 29) }
```

Border

The CSS property to change the border of an element to XYZ 62.5823, 63.5898, 10.1380 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, 29) }
```


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

```
.border{ border-color:rgb(255, 202, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5823, 63.5898, 10.1380 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, 29) }
```

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

```
.background{ background-color: rgb(255,  
202, 29) }
```

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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