

Converting Colors

XYZ(59.6204, 63.7787, 12.7826)

Have a look what the booklet for XYZ(59.6204, 63.7787, 12.7826) contains.

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Color

**XYZ(59.6204, 63.7787,
12.7826)**

Conversions

Conversions Part 1

Format	Color
Hex	F2CF37
RGB	242, 207, 55
RGB Percent	95%, 81%, 22%
CMY	0.0510, 0.1882, 0.7843
CMYK	0.00, 0.14, 0.77, 0.05
HSL	49°, 88%, 58%
HSV	49°, 77%, 95%
XYZ	59.6204, 63.7787, 12.7826
YIQ	200.1370, 69.6520, -39.8520

Conversions

Conversions Part 2

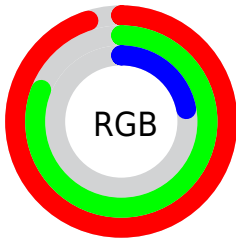
Format	Color
R_{YB}	98, 242, 55
Decimal	15912759
CIE Lab	83.85, -2.38, 74.23
CIE LCh	84, 74.264, 91.835
Yxy	63.7787, 0.4378, 0.4683
Android (android.graphics.Color)	4294102839 (0xFFFF2CF37)
YUV	200.1370, -71.5525, 36.7139
Hunter-Lab	79.8616, -6.4991, 46.4132

Details

The XYZ color **59.6204, 63.7787, 12.7826** 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 **21.2589, 14.5353, 85.6891**, and the grayscale version is **55.3830, 58.2673, 63.4531**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **30.6826, 32.7275, 4.6999** is the 20% darker color. If you saturate the color by 10%, you get **58.0953, 61.4406, 10.0802**, and if you desaturate by 10%, it is **61.4640, 66.2995, 16.9940**.

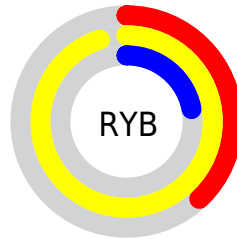
Distribution



Red (95%)

Green (81%)

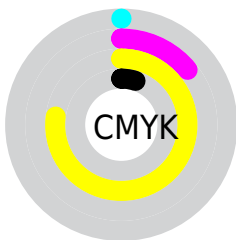
Blue (22%)



Red (38%)

Yellow (95%)

Blue (22%)

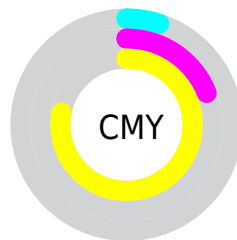


Cyan (0%)

Magenta (14%)

Yellow (77%)

Black (5%)



Cyan (5%)


Magenta (19%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6204, 63.7787, 12.7826 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 59.6204, 63.7787, 12.7826 by changing the saturation by 10% instead.


 59.6204, 63.7787,
12.7826


 59.6204, 63.7787,
12.7826


413.0544,
438.3901, 220.6783

 43.3610, 46.4715,
7.1501


 103.3883,
110.2922, 31.5981

 30.3642, 32.6180,
3.4763


 131.6275,
140.2672, 45.6181


 20.2647, 21.8340,
1.3427

 164.5908,
175.2336, 63.2711

 12.6970, 13.7350,
0.0964

 202.6434,
215.5757, 84.9755

 7.2958, 7.9366,
0.0000

 246.1506,
261.6781, 111.1498

 3.6957, 4.0544,
0.0000

295.4780,

 1.5315, 1.7040,

313.9250, 142.2127

0.0000

350.9908,
372.7008, 178.5827

■ 0.3471, 0.4263,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.6204, 63.7787,
12.7826

■ 59.6204, 63.7787,
12.7826

■ 58.0953, 61.4406,
10.0802

■ 61.4640, 66.2995,
16.9940


■ 56.8364, 59.2565,
8.6317


■ 63.6585, 69.0090,
22.9039


■ 56.5189, 58.6794,
8.3474


■ 66.2371, 71.9232,
30.6777


■ 69.2273, 75.0537,
40.4605

 72.6542, 78.4108,
52.3827

 76.5407, 82.0041,
66.5638

 80.9082, 85.8426,
83.1146

 85.7763, 89.9344,
102.1383

 88.1627, 93.0871,
107.9287

Harmonies

Analogous

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



76.6705, 63.7787, 16.5267



59.6204, 63.7787, 12.7826



45.5284, 63.7787, 17.6567

Triad

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



59.6204, 63.7787, 12.7826



37.6775, 63.7787, 128.4527



92.7056, 63.7787, 121.0869

Complementary

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



59.6204, 63.7787, 12.7826



21.2589, 14.5353, 85.6891

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.



78.7241, 63.7787, 177.1940



59.6204, 63.7787, 12.7826



46.9817, 63.7787, 182.6223

Square

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



59.6204, 63.7787, 12.7826



34.3541, 63.7787, 72.3620



61.6302, 63.7787, 203.5613



97.7035, 63.7787, 66.6058

Rectangle

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



59.6204, 63.7787, 12.7826



39.1435, 63.7787, 27.3988



61.6302, 63.7787, 203.5613



88.7902, 63.7787, 141.0950

Sweetspot

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



59.6219, 63.7818, 12.7839



83.6018, 89.9776, 65.3948



39.9337, 22.3899, 12.4351



17.5655, 18.9506, 12.8115



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.



59.6219, 63.7818, 12.7839



64.5482, 67.7036, 10.2319



52.6674, 74.2066, 15.1626



16.8568, 17.9267, 16.7215



30.4572, 31.7126, 4.5159



2.5980, 2.7667, 0.3971

Inverse Universe

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



21.2589, 14.5353, 85.6891



20.0318, 10.8174, 95.6399



23.9620, 12.5300, 85.1595



15.1366, 15.7073, 19.9556



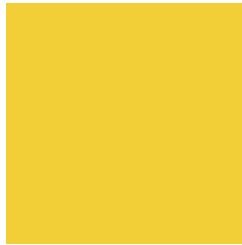
9.1922, 4.6086, 45.5329



0.8303, 0.5145, 3.8098

Previews

White Background



This preview shows how the XYZ color 59.6204, 63.7787, 12.7826 looks on a white background.

Color Contrast Check

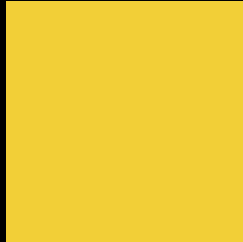
Large Text (above 18pt) WCAG AA × Fail

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 59.6204, 63.7787, 12.7826 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 59.6204, 63.7787, 12.7826

Background



This preview shows how black text looks on a background with the XYZ color 59.6204, 63.7787, 12.7826.



This preview shows how white text looks on a background with the XYZ color 59.6204, 63.7787, 12.7826.

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

59.6204, 63.7787, 12.7826

Protanopia

58.0214, 64.0409, 13.0445

Deuteranopia

64.3425, 63.5478, 21.7067



Tritanopia

70.9631, 63.5766, 68.2059

Trichromacy



Original Color

59.6204, 63.7787, 12.7826

Protanomaly

58.7742, 64.0636, 13.0092

Deuteranomaly

62.4600, 63.7078, 17.8089

Tritanomaly

64.9285, 62.7949, 38.4043

Monochromacy



Original Color

59.6204, 63.7787, 12.7826

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.6467, 59.2655, 36.1630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6204, 63.7787, 12.7826 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(242, 207, 55)` looks like.

```
.text, #text, p{  
    color:rgb(242, 207, 55)  
}
```

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(242, 207, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 207, 55) }
```

Border

The CSS property to change the border of an element to XYZ 59.6204, 63.7787, 12.7826 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(242, 207, 55) }
```


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

```
.border{ border-color:rgb(242, 207, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 207, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 207, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 207, 55);  
box-shadow:4px 4px 4px 4px rgb(242, 207,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6204, 63.7787, 12.7826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 207, 55) }
```

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

```
.background{ background-color: rgb(242,  
207, 55) }
```

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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