

# Converting Colors

XYZ(66.7232, 79.5318, 12.0442)

Have a look what the booklet for  
XYZ(66.7232, 79.5318, 12.0442)  
contains.

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# **Color**

**XYZ(66.5982, 79.2845,  
11.9944)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1ED07
RGB	241, 237, 7
RGB Percent	95%, 93%, 3%
CMY	0.0549, 0.0706, 0.9724
CMYK	0.00, 0.02, 0.97, 0.05
HSL	59°, 94%, 49%
HSV	59°, 97%, 95%
XYZ	66.5982, 79.2845, 11.9944
YIQ	211.9760, 76.2140, -70.6820

# Conversions

## Conversions Part 2

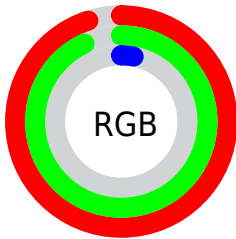
Format	Color
R <sub>Y</sub> B	11, 241, 7
Decimal	15854855
CIE Lab	91.36, -18.67, 89.23
CIE LCh	91, 91.167, 101.820
Yxy	79.2845, 0.4218, 0.5022
Android (android.graphics.Color)	4294044935 (0xFFFF1ED07)
YUV	211.9760, -101.0532, 25.4540
Hunter-Lab	89.0418, -22.3154, 54.3426

# Details

The XYZ color **66.5982, 79.2845, 11.9944** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **16.0851, 6.6362, 83.6516**, and the grayscale version is **63.1833, 66.4738, 72.3899**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **35.3463, 42.7510, 6.3888** is the 20% darker color. If you saturate the color by 10%, you get **66.5267, 79.2033, 11.7814**, and if you desaturate by 10%, it is **66.9298, 79.6109, 13.1446**.

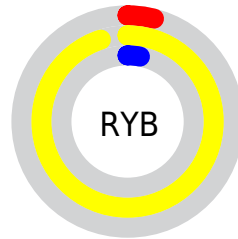
# Distribution



Red (95%)

Green (93%)

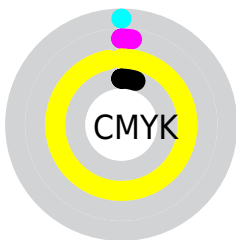
Blue (3%)



Red (4%)

Yellow (95%)

Blue (3%)

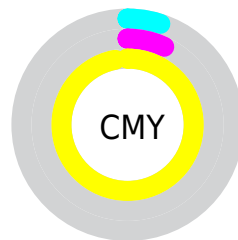


Cyan (0%)

Magenta (2%)

Yellow (97%)

Black (5%)



Cyan (5%)

Magenta (7%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5982, 79.2845, 11.9944 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 66.5982, 79.2845, 11.9944 by changing the saturation by 10% instead.





 66.5982, 79.2845,  
11.9944

 66.5982, 79.2845,  
11.9944


437.9682,  
492.5183, 215.3448


 49.0277, 59.1298,  
6.6174


 113.3975,  
132.3593, 30.1492


 34.8561, 42.7176,  
3.1492


 143.3569,  
166.0481, 43.7640


 23.7180, 29.6636,  
1.1713


 178.1767,  
205.0171, 60.9618

 15.2482, 19.5834,  
0.0000

 218.2222,  
249.6507, 82.1611

 9.0812, 12.0926,  
0.0000

 263.8587,  
300.3332, 107.7806

 4.8517, 6.8068,  
0.0000

 315.4517,

 2.1944, 3.3415,

357.4490, 138.2386

0.0000

373.3664,  
421.3826, 173.9539

■ 0.7398, 1.3125,  
0.0000

■ 0.0000, 0.1509,  
0.0000

■ 66.5982, 79.2845,  
11.9944

■ 66.5982, 79.2845,  
11.9944

■ 66.5267, 79.2033,  
11.7814

■ 66.9298, 79.6109,  
13.1446

■ 67.4954, 80.0283,  
15.5338

■ 68.3435, 80.5592,  
19.4088

■ 69.5101, 81.2179,  
24.9600

■ 71.0261, 82.0168,  
32.3495

■ 72.9186, 82.9667,  
41.7205

■ 75.2121, 84.0775,  
53.2017

■ 77.9290, 85.3581,  
66.9112

■ 81.0901, 86.8168,  
82.9584

# Harmonies

## Analogous

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



90.1251, 79.2845, 13.0041



66.5982, 79.2845, 11.9944



49.3911, 79.2845, 21.8917

# Triad

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



66.5982, 79.2845, 11.9944



46.8010, 79.2845, 202.3632



126.0848, 79.2845, 132.5530

# Complementary

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



66.5982, 79.2845, 11.9944



16.0851, 6.6362, 83.6516

# 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.



109.1258, 79.2845, 220.5419



66.5982, 79.2845, 11.9944



62.2982, 79.2845, 273.0579

# Square

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



66.5982, 79.2845, 11.9944



39.6305, 79.2845, 115.1777



84.8531, 79.2845, 281.0274



127.8961, 79.2845, 62.7482



# Rectangle

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



66.5982, 79.2845, 11.9944



42.5224, 79.2845, 39.0156



84.8531, 79.2845, 281.0274



121.8269, 79.2845, 161.6589

# Sweetspot

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



66.6000, 79.2882, 11.9960



84.9443, 95.3157, 57.6637



36.4368, 18.8874, 2.1710



17.9392, 20.2844, 11.1281



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.



66.6000, 79.2882, 11.9960



75.6274, 90.0349, 13.3925



40.9806, 67.8163, 11.1320



17.0984, 18.4100, 16.8020



36.0871, 42.9723, 6.3925



3.0095, 3.5896, 0.5342



# Inverse Universe

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



16.0851, 6.6362, 83.6516



18.0972, 7.3145, 95.0657



23.1850, 10.2316, 83.9714



14.9189, 15.2719, 19.8831



8.6439, 3.5120, 45.3502

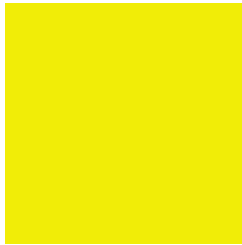


0.7266, 0.3073, 3.7752



# Previews

## White Background



This preview shows how the XYZ color 66.5982, 79.2845, 11.9944 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

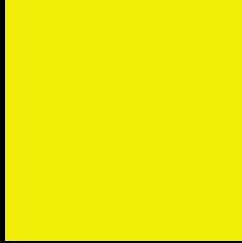
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.5982, 79.2845, 11.9944 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 66.5982, 79.2845, 11.9944

## Background



This preview shows how black text looks on a background with the XYZ color 66.5982, 79.2845, 11.9944.



This preview shows how white text looks on a background with the XYZ color 66.5982, 79.2845,



# 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

66.5982, 79.2845, 11.9944

### Protanopia

72.2142, 79.3711, 24.0844

### Deuteranopia

77.2993, 79.1979, 57.6670



## Tritanopia

82.3825, 79.0873, 91.0441

# Trichromacy



## Original Color

66.5982, 79.2845, 11.9944



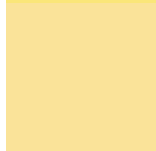
## Protanomaly

69.5764, 79.0071, 16.8930



## Deuteranomaly

71.1723, 78.2981, 29.4510



## Tritanomaly

72.6432, 77.5621, 41.2793

# Monochromacy



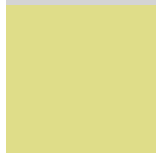
## Original Color

66.5982, 79.2845, 11.9944



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

60.8032, 69.2070, 33.8205

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.5982, 79.2845, 11.9944 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(241, 237, 7)` looks like.

```
.text, #text, p{  
    color:rgb(241, 237, 7)  
}
```

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(241, 237, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 237, 7) }
```

## Border

The CSS property to change the border of an element to XYZ 66.5982, 79.2845, 11.9944 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(241, 237, 7) }
```



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

```
.border{ border-color:rgb(241, 237, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 237, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 237, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 237, 7);  
box-shadow:4px 4px 4px 4px rgb(241, 237,  
7) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.5982, 79.2845, 11.9944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 237, 7) }
```

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

```
.background{ background-color: rgb(241,  
237, 7) }
```

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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