

# Converting Colors

XYZ(66.0330, 77.7094, 11.5191)

Have a look what the booklet for  
XYZ(66.0330, 77.7094, 11.5191)  
contains.

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# **Color**

**XYZ(66.0408, 77.7229,  
11.5213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2EA00
RGB	242, 234, 0
RGB Percent	95%, 92%, 0%
CMY	0.0510, 0.0823, 0.9999
CMYK	0.00, 0.03, 1.00, 0.05
HSL	58°, 100%, 47%
HSV	58°, 100%, 95%
XYZ	66.0408, 77.7229, 11.5213
YIQ	209.7160, 79.8820, -71.0780

# Conversions

## Conversions Part 2

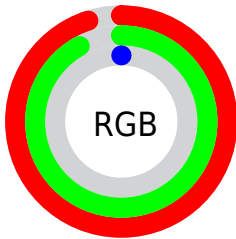
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	8, 242, 0
Decimal	15919616
CIE Lab	90.65, -16.86, 89.29
CIE LCh	91, 90.866, 100.692
Yxy	77.7229, 0.4253, 0.5005
Android (android.graphics.Color)	4294109696 (0xFFFF2EA00)
YUV	209.7160, -103.3900, 28.3131
Hunter-Lab	88.1606, -20.5673, 53.9641

# Details

The XYZ color **66.0408, 77.7229, 11.5213** 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 **16.1144, 6.5852, 84.4255**, and the grayscale version is **61.6966, 64.9097, 70.6866**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **35.1762, 42.0640, 6.2652** is the 20% darker color. If you saturate the color by 10%, you get **66.0421, 77.7259, 11.5218**, and if you desaturate by 10%, it is **66.4378, 78.2496, 12.4790**.

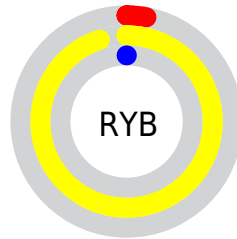
# Distribution



Red (95%)

Green (92%)

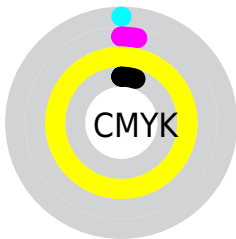
Blue (0%)



Red (3%)

Yellow (95%)

Blue (0%)

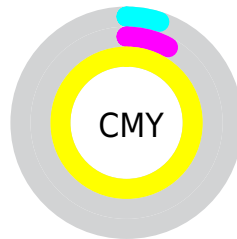


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (8%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0408, 77.7229, 11.5213 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 66.0408, 77.7229, 11.5213 by changing the saturation by 10% instead.



66.0408, 77.7229,  
11.5213

66.0408, 77.7229,  
11.5213

436.0091,  
487.2252, 212.0741

48.5734, 57.8464,  
6.3001

112.6023,  
130.1594, 29.2714

34.4943, 41.6852,  
2.9567

142.4271,  
163.4882, 42.6374

23.4383, 28.8548,  
1.0725

177.1016,  
202.0699, 59.5554

15.0399, 18.9710,  
0.0000

216.9914,  
246.2888, 80.4439

8.9339, 11.6494,  
0.0000

262.4616,  
296.5294, 105.7215

4.7549, 6.5054,  
0.0000

313.8778,

2.1374, 3.1548,

353.1761, 135.8067

0.0000

371.6051,  
416.6133, 171.1180

■ 0.7094, 1.2131,  
0.0000

■ 0.0000, 0.0723,  
0.0000

■ 66.0408, 77.7229,  
11.5213

■ 66.0408, 77.7229,  
11.5213

■ 66.0421, 77.7259,  
11.5218

■ 66.4378, 78.2496,  
12.4790

■ 67.0421, 78.8580,  
14.5310

■ 67.9203, 79.5775,  
18.0200

■ 69.1109, 80.4237,  
23.1493

70.6464, 81.4095,  
30.0899

72.5553, 82.5462,  
38.9913

74.8629, 83.8442,  
49.9874

77.5925, 85.3125,  
63.2004

80.7655, 86.9599,  
78.7431

# Harmonies

## Analogous

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



89.3246, 77.7229, 12.8612



66.0408, 77.7229, 11.5213



48.8355, 77.7229, 20.6933

# Triad

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



66.0408, 77.7229, 11.5213



45.3883, 77.7229, 195.6035



123.4054, 77.7229, 133.2551

# Complementary

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



66.0408, 77.7229, 11.5213



16.1144, 6.5852, 84.4255

# 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.



106.2722, 77.7229, 219.8405



66.0408, 77.7229, 11.5213



60.3152, 77.7229, 266.8218

# Square

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



66.0408, 77.7229, 11.5213



38.6480, 77.7229, 110.1007



82.3018, 77.7229, 277.4494



125.8192, 77.7229, 63.4208



# Rectangle

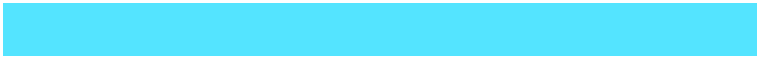
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.0408, 77.7229, 11.5213



41.8810, 77.7229, 36.8732



82.3018, 77.7229, 277.4494



119.0329, 77.7229, 162.0898

# Sweetspot

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



66.0426, 77.7266, 11.5229



84.2853, 94.4128, 56.1643



36.6624, 18.8956, 1.9475



17.7937, 20.0712, 10.8394



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.



66.0426, 77.7266, 11.5229



74.3715, 87.5230, 12.9738



40.8178, 68.1774, 11.0092



17.0755, 18.3642, 16.7944



35.4996, 41.7972, 6.1966



2.9672, 3.5050, 0.5201



# Inverse Universe

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



16.1144, 6.5852, 84.4255



18.1414, 7.4029, 95.0805



22.8310, 9.9189, 84.7150



14.9391, 15.3124, 19.8898



8.6757, 3.5756, 45.3608

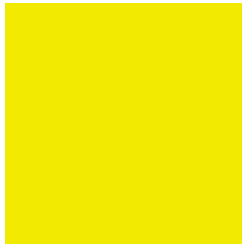


0.7364, 0.3267, 3.7785



# Previews

## White Background



This preview shows how the XYZ color 66.0408, 77.7229, 11.5213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

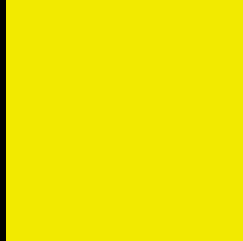
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.0408, 77.7229, 11.5213 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 66.0408, 77.7229, 11.5213**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.0408, 77.7229, 11.5213.



This preview shows how white text looks on a background with the XYZ color 66.0408, 77.7229,



# 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

66.0408, 77.7229, 11.5213

### Protanopia

70.5293, 77.8066, 17.9575

### Deuteranopia

75.8659, 77.3306, 54.1078



## Tritanopia

81.1627, 77.3433, 88.4929

# Trichromacy



## Original Color

66.0408, 77.7229, 11.5213



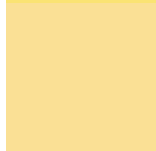
## Protanomaly

68.5338, 77.6892, 14.1797



## Deuteranomaly

69.9879, 76.5000, 27.2969



## Tritanomaly

71.5048, 75.8052, 39.2969

# Monochromacy



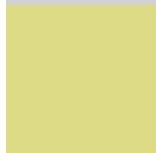
## Original Color

66.0408, 77.7229, 11.5213



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

59.7588, 67.9139, 32.5133

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.0408, 77.7229, 11.5213 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, 234, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 234, 0)  
}
```

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, 234, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 234, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 66.0408, 77.7229, 11.5213 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, 234, 0) }
```



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

```
.border{ border-color:rgb(242, 234, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 234, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 234, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 234, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 234,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.0408, 77.7229, 11.5213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 234, 0) }
```

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

```
.background{ background-color: rgb(242,  
234, 0) }
```

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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