

# Converting Colors

XYZ(67.1047, 78.7290, 15.6727)

Have a look what the booklet for  
XYZ(67.1047, 78.7290, 15.6727)  
contains.

<b>XYZ(67.0900, 78.5994, 15.6382)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(67.0900, 78.5994,  
15.6382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2EB3A
RGB	242, 235, 58
RGB Percent	95%, 92%, 23%
CMY	0.0510, 0.0784, 0.7725
CMYK	0.00, 0.03, 0.76, 0.05
HSL	58°, 88%, 59%
HSV	58°, 76%, 95%
XYZ	67.0900, 78.5994, 15.6382
YIQ	216.9150, 60.9890, -53.5630

# Conversions

## Conversions Part 2

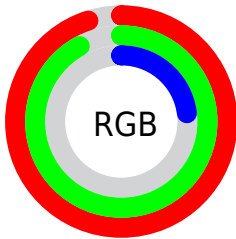
<b>Format</b>	<b>Color</b>
<b>RYB</b>	65, 242, 58
Decimal	15919930
CIELab	91.05, -16.25, 79.84
CIElCh	91, 81.472, 101.503
Yxy	78.5994, 0.4159, 0.4872
Android (android.graphics.Color)	4294110010 (0xFFFF2EB3A)
YUV	216.9150, -78.3451, 21.9995
Hunter-Lab	88.6563, -20.0700, 51.6012

# Details

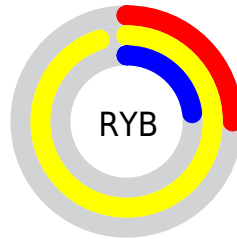
The XYZ color **67.0900, 78.5994, 15.6382** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.6626, 11.0911, 85.1082**, and the grayscale version is **66.3880, 69.8454, 76.0616**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **35.6127, 42.5876, 6.3432** is the 20% darker color. If you saturate the color by 10%, you get **66.3512, 77.8866, 13.0354**, and if you desaturate by 10%, it is **68.1228, 79.4379, 19.7667**.

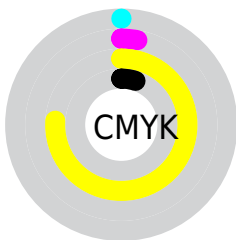
# Distribution



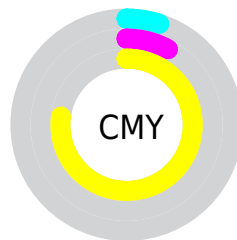
- Red (95%)
- Green (92%)
- Blue (23%)



- Red (25%)
- Yellow (95%)
- Blue (23%)



- Cyan (0%)
- Magenta (3%)
- Yellow (76%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0900, 78.5994, 15.6382 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 67.0900, 78.5994, 15.6382 by changing the saturation by 10% instead.



67.0900, 78.5994,  
15.6382

67.0900, 78.5994,  
15.6382

439.6925,  
490.2001, 238.9696

49.4287, 58.5665,  
9.1169

114.0984,  
131.3947, 36.7270

35.1756, 42.2642,  
4.7197

144.1763,  
164.9260, 52.1315

23.9653, 29.3083,  
2.0279

179.1238,  
203.7254, 71.3343

15.4325, 19.3141,  
0.5724

219.3063,  
248.1775, 94.7537

9.2118, 11.8975,  
0.0000

265.0890,  
298.6667, 122.8085

4.9378, 6.6739,  
0.0000

316.8374,

2.2452, 3.2590,

355.5772, 155.9170

0.0000

374.9167,  
419.2935, 194.4979

■ 0.7664, 1.2684,  
0.0000

■ 0.0000, 0.1165,  
0.0000

■ 67.0900, 78.5994,  
15.6382

■ 67.0900, 78.5994,  
15.6382

■ 66.3512, 77.8866,  
13.0354

■ 68.1228, 79.4379,  
19.7667


■ 65.8566, 77.2707,  
11.7196


■ 69.4801, 80.4054,  
25.6048


■ 65.7006, 77.0429,  
11.4080


■ 71.1942, 81.5179,  
33.3157


■ 73.2924, 82.7862,  
43.0420

 75.7991, 84.2200,  
54.9127

 78.7367, 85.8285,  
69.0461

 82.1261, 87.6198,  
85.5518

 85.9868, 89.6019,  
104.5321

 86.8034, 90.3685,  
107.4756

# Harmonies

## Analogous

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



87.9771, 78.5994, 16.8191



67.0900, 78.5994, 15.6382



51.4328, 78.5994, 25.6730

# Triad

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



67.0900, 78.5994, 15.6382



48.8168, 78.5994, 184.7862



118.8671, 78.5994, 126.8061

# Complementary

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



67.0900, 78.5994, 15.6382



19.6626, 11.0911, 85.1082

# 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.



104.1158, 78.5994, 201.6051



67.0900, 78.5994, 15.6382



62.8422, 78.5994, 244.3205

# Square

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



67.0900, 78.5994, 15.6382



42.2522, 78.5994, 110.2280



82.8784, 78.5994, 251.5932



120.5783, 78.5994, 64.9132



# Rectangle

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



67.0900, 78.5994, 15.6382



45.0471, 78.5994, 42.0985



82.8784, 78.5994, 251.5932



115.1582, 78.5994, 151.8392

# Sweetspot

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



67.0918, 78.6031, 15.6398



86.2967, 95.3675, 66.2931



39.1505, 22.3117, 7.5860



18.2293, 20.2781, 13.0327



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.



67.0918, 78.6031, 15.6398



74.4050, 87.3433, 13.7454



46.8542, 71.2011, 15.2777



17.0684, 18.3499, 16.7920



35.3191, 41.4363, 6.1365



2.9542, 3.4790, 0.5158



# Inverse Universe

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



19.6626, 11.0911, 85.1082



18.9125, 8.4222, 95.2366



28.4915, 15.0832, 85.4134



14.9454, 15.3250, 19.8919



8.6856, 3.5954, 45.3641

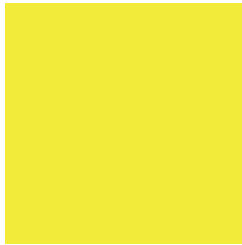


0.7394, 0.3328, 3.7795



# Previews

## White Background



This preview shows how the XYZ color 67.0900, 78.5994, 15.6382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

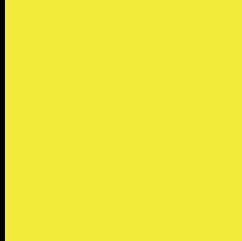
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.0900, 78.5994, 15.6382 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 67.0900, 78.5994, 15.6382

## Background



This preview shows how black text looks on a background with the XYZ color 67.0900, 78.5994, 15.6382.



This preview shows how white text looks on a background with the XYZ color 67.0900, 78.5994,



# 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

67.0900, 78.5994, 15.6382

### Protanopia

71.5126, 78.6439, 21.7666

### Deuteranopia

76.8169, 78.5711, 56.4645



## Tritanopia

81.9735, 78.5025, 90.1889

# Trichromacy



## Original Color

67.0900, 78.5994, 15.6382

## Protanomaly

69.7289, 78.6164, 19.0888

## Deuteranomaly

72.0311, 78.1976, 35.3420

## Tritanomaly

73.7002, 77.1147, 49.5283

# Monochromacy



## Original Color

67.0900, 78.5994, 15.6382

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.2777, 71.9833, 43.3073

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.0900, 78.5994, 15.6382 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, 235, 58)` looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 58)  
}
```

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, 235, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 58) }
```

## Border

The CSS property to change the border of an element to XYZ 67.0900, 78.5994, 15.6382 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, 235, 58) }
```



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

```
.border{ border-color:rgb(242, 235, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 58);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
58) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.0900, 78.5994, 15.6382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 58) }
```

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

```
.background{ background-color: rgb(242,  
235, 58) }
```

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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