

# Converting Colors

XYZ(65.8912, 79.3464, 12.3646)

Have a look what the booklet for  
XYZ(65.8912, 79.3464, 12.3646)  
contains.

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# Color

**XYZ(65.9356, 79.3667,  
12.3744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEE11
RGB	238, 238, 17
RGB Percent	93%, 93%, 7%
CMY	0.0667, 0.0666, 0.9332
CMYK	0.00, 0.00, 0.93, 0.07
HSL	60°, 87%, 50%
HSV	60°, 93%, 93%
XYZ	65.9356, 79.3667, 12.3744
YIQ	212.8060, 70.9410, -68.7310

# Conversions

## Conversions Part 2

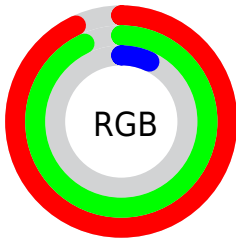
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">17, 238, 17</a>
Decimal	<a href="#">15658513</a>
CIELab	<a href="#">91.40, -20.31, 88.30</a>
CIELCh	<a href="#">91, 90.602, 102.955</a>
Yxy	<a href="#">79.3667, 0.4182, 0.5034</a>
Android (android.graphics.Color)	<a href="#">4293848593 (0xFFEEEE11)</a>
YUV	<a href="#">212.8060, -96.5324, 22.0951</a>
Hunter-Lab	<a href="#">89.0880, -23.7930, 54.1262</a>

# Details

The XYZ color **65.9356, 79.3667, 12.3744** 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 **15.8661, 6.6945, 81.3499**, and the grayscale version is **63.7115, 67.0295, 72.9951**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **34.8594, 42.8030, 6.4245** is the 20% darker color. If you saturate the color by 10%, you get **65.8358, 79.3298, 11.8423**, and if you desaturate by 10%, it is **66.2335, 79.4889, 13.9338**.

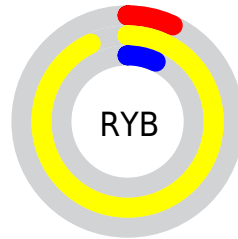
# Distribution



Red (93%)

Green (93%)

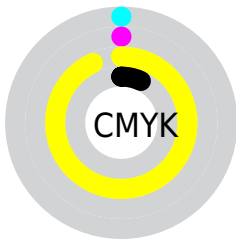
Blue (7%)



Red (7%)

Yellow (93%)

Blue (7%)

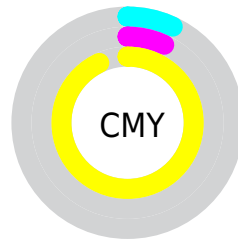


Cyan (0%)

Magenta (0%)

Yellow (93%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9356, 79.3667, 12.3744 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 65.9356, 79.3667, 12.3744 by changing the saturation by 10% instead.



65.9356, 79.3667,  
12.3744

65.9356, 79.3667,  
12.3744

435.6388,  
492.7960, 217.9336

48.4876, 59.1974,  
6.8736

112.4521,  
132.4750, 30.8497

34.4261, 42.7720,  
3.3059

142.2514,  
166.1827, 44.6613

23.3855, 29.7063,  
1.2529

176.8985,  
205.1720, 62.0802

15.0007, 19.6157,  
0.0227

216.7588,  
249.8273, 83.5250

8.9062, 12.1160,  
0.0000

262.1976,  
300.5329, 109.4141

4.7367, 6.8228,  
0.0000

313.5803,

2.1268, 3.3515,

357.6733, 140.1663

0.0000

371.2723,  
421.6329, 176.1999

■ 0.7037, 1.3179,  
0.0000

■ 0.0000, 0.1550,  
0.0000

■ 65.9356, 79.3667,  
12.3744

■ 65.9356, 79.3667,  
12.3744

■ 65.8358, 79.3298,  
11.8423

■ 66.2335, 79.4889,  
13.9338

■ 66.7799, 79.7075,  
16.8096

■ 67.6160, 80.0419,  
21.2110

■ 68.7743, 80.5053,  
27.3095

70.2832, 81.1089,  
35.2537

72.1677, 81.8627,  
45.1759

74.4507, 82.7759,  
57.1965

77.1531, 83.8570,  
71.4261

80.2947, 85.1136,  
87.9677

# Harmonies

## Analogous

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



89.1777, 79.3667, 13.0269



65.9356, 79.3667, 12.3744



49.1007, 79.3667, 22.8557

# Triad

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



65.9356, 79.3667, 12.3744



47.4408, 79.3667, 204.8748



126.1994, 79.3667, 129.1868

# Complementary

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



65.9356, 79.3667, 12.3744



15.8661, 6.6945, 81.3499

# 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.



109.8208, 79.3667, 216.4696



65.9356, 79.3667, 12.3744



63.1833, 79.3667, 273.2702

# Square

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



65.9356, 79.3667, 12.3744



39.9810, 79.3667, 118.0870



85.8070, 79.3667, 278.3498



127.3560, 79.3667, 60.9851



# Rectangle

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



65.9356, 79.3667, 12.3744



42.4643, 79.3667, 40.6202



85.8070, 79.3667, 278.3498



122.1596, 79.3667, 157.8766

# Sweetspot

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



65.9374, 79.3704, 12.3760



85.6090, 96.2235, 59.1888



35.5643, 18.6204, 2.2509



18.0871, 20.5011, 11.4222



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.



65.9374, 79.3704, 12.3760



76.9968, 92.7784, 13.8499



39.5071, 65.7451, 11.1391



17.1229, 18.4590, 16.8102



36.7275, 44.2553, 6.6064



3.0554, 3.6816, 0.5496



# Inverse Universe

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



15.8661, 6.6945, 81.3499



18.0501, 7.2201, 95.0500



24.4637, 11.1267, 81.7523



14.8974, 15.2288, 19.8759



8.6099, 3.4440, 45.3388

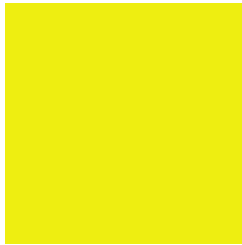


0.7163, 0.2865, 3.7718



# Previews

## White Background



This preview shows how the XYZ color 65.9356, 79.3667, 12.3744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

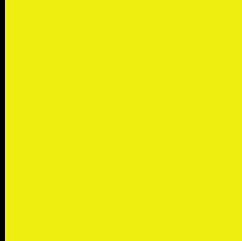
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.9356, 79.3667, 12.3744 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 65.9356, 79.3667, 12.3744**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.9356, 79.3667, 12.3744.



This preview shows how white text looks on a background with the XYZ color 65.9356, 79.3667,



# 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

65.9356, 79.3667, 12.3744

### Protanopia

72.2142, 79.3711, 24.0844

### Deuteranopia

77.2993, 79.1979, 57.6670



## Tritanopia

82.3095, 79.0157, 92.5747

# Trichromacy



## Original Color

65.9356, 79.3667, 12.3744



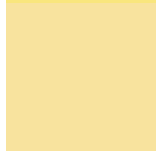
## Protanomaly

69.6271, 79.4403, 17.6250



## Deuteranomaly

71.0654, 78.2140, 30.7533



## Tritanomaly

72.3520, 77.3633, 43.4670

# Monochromacy



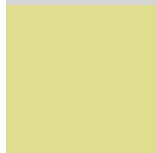
## Original Color

65.9356, 79.3667, 12.3744



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

61.1280, 69.7251, 35.8277

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9356, 79.3667, 12.3744 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(238, 238, 17)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 17)  
}
```

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(238, 238, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 17) }
```

## Border

The CSS property to change the border of an element to XYZ 65.9356, 79.3667, 12.3744 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(238, 238, 17) }
```



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

```
.border{ border-color:rgb(238, 238, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 17);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
17) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.9356, 79.3667, 12.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 17) }
```

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

```
.background{ background-color: rgb(238,  
238, 17) }
```

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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