

# Converting Colors

XYZ(65.7609, 79.1814, 16.6681)

Have a look what the booklet for  
XYZ(65.7609, 79.1814, 16.6681)  
contains.

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# **Color**

**XYZ(65.7609, 79.1814,  
16.6681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBEE40
RGB	235, 238, 64
RGB Percent	92%, 93%, 25%
CMY	0.0784, 0.0666, 0.7490
CMYK	0.01, 0.00, 0.73, 0.07
HSL	61°, 84%, 59%
HSV	61°, 73%, 93%
XYZ	65.7609, 79.1814, 16.6681
YIQ	217.2670, 54.0660, -54.7500

# Conversions

## Conversions Part 2

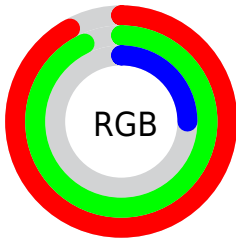
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 238, 67
Decimal	15461952
CIELab	91.32, -20.34, 78.04
CIELCh	91, 80.647, 104.610
Yxy	79.1814, 0.4069, 0.4900
Android (android.graphics.Color)	4293652032 (0xFFEBEE40)
YUV	217.2670, -75.5606, 15.5518
Hunter-Lab	88.9839, -23.8068, 51.1828

# Details

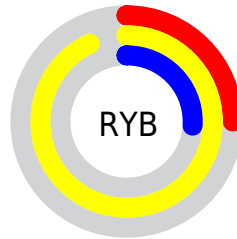
The XYZ color **65.7609, 79.1814, 16.6681** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **19.5831, 11.0348, 81.9916**, and the grayscale version is **66.6151, 70.0843, 76.3218**.

A 20% lighter version of the original color is **80.6381, 94.2352, 33.0079**, and **34.4071, 42.5699, 6.4034** is the 20% darker color. If you saturate the color by 10%, you get **65.0880, 78.8995, 13.8246**, and if you desaturate by 10%, it is **66.7266, 79.5863, 21.0356**.

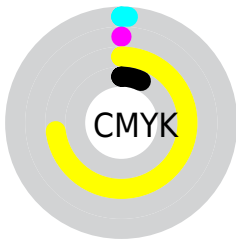
# Distribution



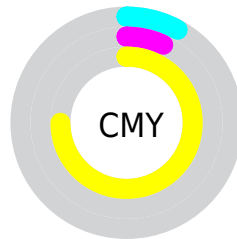
- Red (92%)
- Green (93%)
- Blue (25%)



- Red (25%)
- Yellow (93%)
- Blue (26%)



- Cyan (1%)
- Magenta (0%)
- Yellow (73%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7609, 79.1814, 16.6681 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 65.7609, 79.1814, 16.6681 by changing the saturation by 10% instead.



65.7609, 79.1814,  
16.6681

65.7609, 79.1814,  
16.6681

435.0234,  
492.1698, 245.2313

48.3453, 59.0450,  
9.8387

112.2027,  
132.2142, 38.5370

34.3128, 42.6493,  
5.1879

141.9597,  
165.8794, 54.4136

23.2980, 29.6101,  
2.2973

176.5611,  
204.8229, 74.1431

14.9356, 19.5428,  
0.7297

216.3725,  
249.4292, 98.1438

8.8603, 12.0631,  
0.0000

261.7590,  
300.0826, 126.8345

4.7065, 6.7867,  
0.0000

313.0861,

2.1091, 3.3291,

357.1676, 160.6336

0.0000

370.7191,  
421.0685, 199.9597

■ 0.6941, 1.3058,  
0.0000

■ 0.0000, 0.1457,  
0.0000

■ 65.7609, 79.1814,  
16.6681

■ 65.7609, 79.1814,  
16.6681

■ 65.0880, 78.8995,  
13.8246

■ 66.7266, 79.5863,  
21.0356


■ 64.6627, 78.7138,  
12.2915


■ 68.0122, 80.1163,  
27.0945


■ 64.4730, 78.6271,  
11.7785


■ 69.6480, 80.7864,  
34.9954


■ 71.6591, 81.6067,  
44.8712

 74.0684, 82.5863,  
56.8423

 76.8970, 83.7336,  
71.0196

 80.1645, 85.0565,  
87.5064

 83.8892, 86.5624,  
106.3991

 84.1222, 86.6716,  
106.9033

# Harmonies

## Analogous

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



86.1970, 79.1814, 16.8013



65.7609, 79.1814, 16.6681



50.8621, 79.1814, 28.2864

# Triad

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



65.7609, 79.1814, 16.6681



50.5708, 79.1814, 192.0917



119.9483, 79.1814, 119.7277

# Complementary

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



65.7609, 79.1814, 16.6681



19.5831, 11.0348, 81.9916

# 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.



106.4263, 79.1814, 193.9494



65.7609, 79.1814, 16.6681



65.2888, 79.1814, 246.9803

# Square

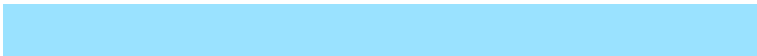
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.7609, 79.1814, 16.6681



43.2337, 79.1814, 117.8914



85.6315, 79.1814, 247.7827



120.1377, 79.1814, 60.7912



# Rectangle

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



65.7609, 79.1814, 16.6681



45.0053, 79.1814, 46.3482



85.6315, 79.1814, 247.7827



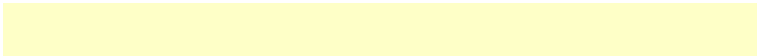
116.7160, 79.1814, 144.1496

# Sweetspot

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



65.7627, 79.1851, 16.6697



86.9414, 96.7155, 68.0576



38.1893, 22.5518, 7.1917



18.4318, 20.6291, 13.6826



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.



65.7627, 79.1851, 16.6697



75.8297, 92.1487, 15.0587



43.7341, 67.8289, 15.6388



17.0943, 18.4443, 16.8089



35.9795, 43.8696, 6.5714



3.0017, 3.6540, 0.5471



# Inverse Universe

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



19.5831, 11.0348, 81.9916



19.2052, 8.5275, 95.2415



30.5760, 16.7019, 82.5061



14.9225, 15.2418, 19.8771



8.6496, 3.4644, 45.3407

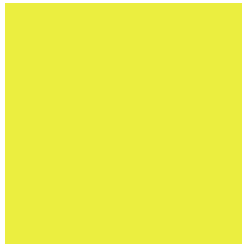


0.7284, 0.2928, 3.7723



# Previews

## White Background



This preview shows how the XYZ color 65.7609, 79.1814, 16.6681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

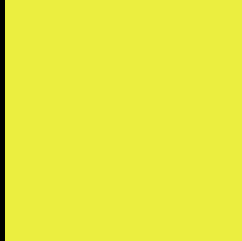
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.7609, 79.1814, 16.6681 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 65.7609, 79.1814, 16.6681

## Background



This preview shows how black text looks on a background with the XYZ color 65.7609, 79.1814, 16.6681.



This preview shows how white text looks on a background with the XYZ color 65.7609, 79.1814,



# 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

65.7609, 79.1814, 16.6681

### Protanopia

71.8858, 78.7932, 23.7317

### Deuteranopia

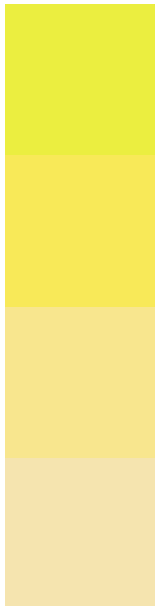
77.1349, 78.6983, 58.1386



## Tritanopia

81.1256, 78.7985, 92.5952

# Trichromacy



## Original Color

65.7609, 79.1814, 16.6681

## Protanomaly

69.6118, 78.9389, 20.8003

## Deuteranomaly

71.8907, 78.5031, 36.9547

## Tritanomaly

73.1375, 77.9944, 51.7571

# Monochromacy



## Original Color

65.7609, 79.1814, 16.6681

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.0987, 72.2709, 44.2895

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.7609, 79.1814, 16.6681 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(235, 238, 64)` looks like.

```
.text, #text, p{  
    color:rgb(235, 238, 64)  
}
```

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(235, 238, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 238, 64) }
```

## Border

The CSS property to change the border of an element to XYZ 65.7609, 79.1814, 16.6681 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(235, 238, 64) }
```



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

```
.border{ border-color:rgb(235, 238, 64) }
```

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

Here you see how a box with a 4 pixel rgb(235, 238, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 238, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 238, 64);  
box-shadow:4px 4px 4px 4px rgb(235, 238,  
64) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.7609, 79.1814, 16.6681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 238, 64) }
```

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

```
.background{ background-color: rgb(235,  
238, 64) }
```

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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