

Converting Colors

XYZ(67.6462, 79.4961, 11.7789)

Have a look what the booklet for
XYZ(67.6462, 79.4961, 11.7789)
contains.

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Color

**XYZ(67.6516, 79.4034,
11.7608)**

Conversions

Conversions Part 1

Format	Color
Hex	F5EC00
RGB	245, 236, 0
RGB Percent	96%, 93%, 0%
CMY	0.0392, 0.0745, 0.9999
CMYK	0.00, 0.04, 1.00, 0.04
HSL	58°, 100%, 48%
HSV	58°, 100%, 96%
XYZ	67.6516, 79.4034, 11.7608
YIQ	211.7870, 81.1200, -71.4880

Conversions

Conversions Part 2

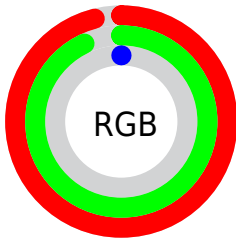
Format	Color
R _Y B	9, 245, 0
Decimal	16116736
CIE Lab	91.42, -16.58, 89.95
CIE LCh	91, 91.467, 100.441
Yxy	79.4034, 0.4260, 0.5000
Android (android.graphics.Color)	4294306816 (0xFFFF5EC0)
YUV	211.7870, -104.4110, 29.1278
Hunter-Lab	89.1086, -20.4221, 54.5508

Details

The XYZ color **67.6516, 79.4034, 11.7608** 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 **16.5797, 6.7887, 86.8218**, and the grayscale version is **63.0764, 66.3613, 72.2674**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **36.2910, 43.2381, 6.4330** is the 20% darker color. If you saturate the color by 10%, you get **67.6528, 79.4063, 11.7613**, and if you desaturate by 10%, it is **68.0833, 79.9945, 12.7457**.

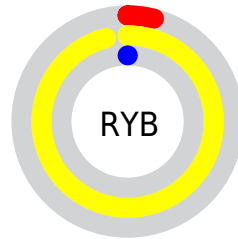
Distribution



Red (96%)

Green (93%)

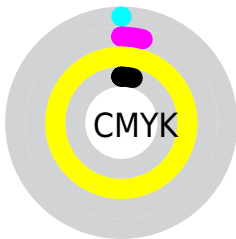
Blue (0%)



Red (4%)

Yellow (96%)

Blue (0%)

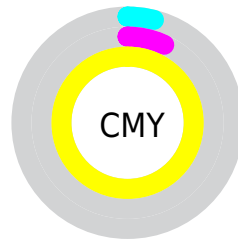


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6516, 79.4034, 11.7608 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 67.6516, 79.4034, 11.7608 by changing the saturation by 10% instead.


 67.6516, 79.4034,
11.7608

 67.6516, 79.4034,
11.7608


441.6567,
492.9200, 213.7366


 49.8870, 59.2275,
6.4605


 114.8982,
132.5266, 29.7165

 35.5410, 42.7963,
3.0538


 145.1110,
166.2428, 43.2090


 24.2484, 29.7253,
1.1221


 180.2038,
205.2411, 60.2693

 15.6437, 19.6302,
0.0000

 220.5421,
249.9061, 81.3159

 9.3616, 12.1265,
0.0000

 266.4912,
300.6221, 106.7675

 5.0368, 6.8299,
0.0000

 318.4164,

 2.3039, 3.3560,

357.7734, 137.0424

0.0000

376.6831,
421.7446, 172.5593

■ 0.7966, 1.3203,
0.0000

■ 0.0000, 0.1568,
0.0000

■ 67.6516, 79.4034,
11.7608

■ 67.6516, 79.4034,
11.7608

■ 67.6528, 79.4063,
11.7613

■ 68.0833, 79.9945,
12.7457

■ 68.7288, 80.6702,
14.8581

■ 69.6564, 81.4607,
18.4489

■ 70.9057, 82.3821,
23.7281

■ 72.5104, 83.4477,
30.8718

■ 74.4996, 84.6693,
40.0342

■ 76.8997, 86.0573,
51.3533

■ 79.7344, 87.6212,
64.9551

■ 83.0260, 89.3700,
80.9558

Harmonies

Analogous

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



91.4568, 79.4034, 13.2107



67.6516, 79.4034, 11.7608



50.0161, 79.4034, 21.0184

Triad

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



67.6516, 79.4034, 11.7608



46.2907, 79.4034, 199.0119



125.9505, 79.4034, 136.8230

Complementary

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



67.6516, 79.4034, 11.7608



16.5797, 6.7887, 86.8218

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.



108.3609, 79.4034, 225.1866



67.6516, 79.4034, 11.7608



61.4649, 79.4034, 272.0526

Square

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



67.6516, 79.4034, 11.7608



39.4754, 79.4034, 111.8105



83.8699, 79.4034, 283.5285



128.5577, 79.4034, 65.2585

Rectangle

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



67.6516, 79.4034, 11.7608



42.8666, 79.4034, 37.4093



83.8699, 79.4034, 283.5285



121.4460, 79.4034, 166.2977

Sweetspot

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



67.6534, 79.4071, 11.7624



84.1969, 94.2358, 56.1349



37.7243, 19.4403, 2.1210



17.7721, 20.0281, 10.8322



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.



67.6534, 79.4071, 11.7624



74.0862, 86.9524, 12.8787



42.6062, 70.4357, 11.3509



17.8595, 19.2031, 17.5628



36.4698, 42.8252, 6.3439



3.2213, 3.7959, 0.5629

Inverse Universe

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



16.5797, 6.7887, 86.8218



18.1516, 7.4232, 95.0839



22.9456, 9.9255, 87.0918



15.6299, 16.0241, 20.8118



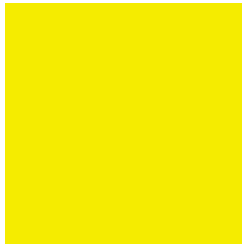
8.9531, 3.6999, 46.7803



0.8037, 0.3589, 4.1171

Previews

White Background



This preview shows how the XYZ color 67.6516, 79.4034, 11.7608 looks on a white background.

Color Contrast Check

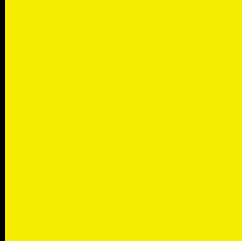
Large Text (above 18pt) WCAG AA × Fail

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 67.6516, 79.4034, 11.7608 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 67.6516, 79.4034, 11.7608

Background



This preview shows how black text looks on a background with the XYZ color 67.6516, 79.4034, 11.7608.



This preview shows how white text looks on a background with the XYZ color 67.6516, 79.4034,

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

67.6516, 79.4034, 11.7608

Protanopia

72.3146, 79.4113, 24.6132

Deuteranopia

77.4060, 79.2406, 58.2289



Tritanopia

82.0918, 78.9711, 89.5135

Trichromacy



Original Color

67.6516, 79.4034, 11.7608



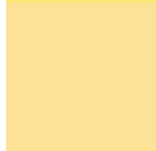
Protanomaly

69.9059, 79.1804, 16.7532



Deuteranomaly

71.4102, 78.4348, 28.8285



Tritanomaly

72.4850, 77.1040, 39.9163

Monochromacy



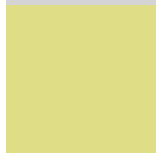
Original Color

67.6516, 79.4034, 11.7608



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.9701, 69.3095, 33.0863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6516, 79.4034, 11.7608 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(245, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 236, 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(245, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 236, 0) }
```

Border

The CSS property to change the border of an element to XYZ 67.6516, 79.4034, 11.7608 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(245, 236, 0) }
```


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

```
.border{ border-color:rgb(245, 236, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 236, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 236,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6516, 79.4034, 11.7608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 236, 0) }
```

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

```
.background{ background-color: rgb(245,  
236, 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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