

Converting Colors

XYZ(67.4726, 82.0198, 13.1524)

Have a look what the booklet for
XYZ(67.4726, 82.0198, 13.1524)
contains.

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Color

**XYZ(67.5136, 81.9209,
13.1181)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF218
RGB	239, 242, 24
RGB Percent	94%, 95%, 9%
CMY	0.0627, 0.0510, 0.9058
CMYK	0.01, 0.00, 0.90, 0.05
HSL	61°, 89%, 52%
HSV	61°, 90%, 95%
XYZ	67.5136, 81.9209, 13.1181
YIQ	216.2510, 68.1900, -68.4340

Conversions

Conversions Part 2

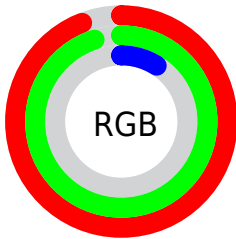
Format	Color
R _Y B	24, 242, 27
Decimal	15725080
CIE Lab	92.54, -21.72, 88.36
CIE LCh	93, 90.989, 103.812
Yxy	81.9209, 0.4153, 0.5040
Android (android.graphics.Color)	4293915160 (0xFFEFF218)
YUV	216.2510, -94.7797, 19.9509
Hunter-Lab	90.5102, -25.2456, 54.7639

Details

The XYZ color **67.5136, 81.9209, 13.1181** 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 **16.8077, 7.2986, 84.5324**, and the grayscale version is **66.0386, 69.4778, 75.6613**.

A 20% lighter version of the original color is **79.3003, 93.7001, 25.9630**, and **35.9190, 44.5828, 6.7122** is the 20% darker color. If you saturate the color by 10%, you get **67.2386, 81.8011, 12.2453**, and if you desaturate by 10%, it is **68.0013, 82.1321, 15.0891**.

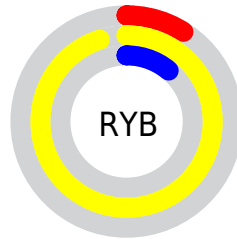
Distribution



Red (94%)

Green (95%)

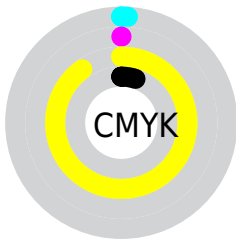
Blue (9%)



Red (9%)

Yellow (95%)

Blue (11%)

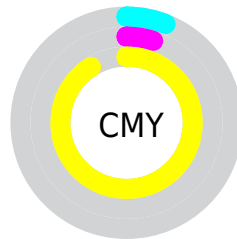


Cyan (1%)

Magenta (0%)

Yellow (90%)

Black (5%)



Cyan (6%)

Magenta (5%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5136, 81.9209, 13.1181 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 67.5136, 81.9209, 13.1181 by changing the saturation by 10% instead.

67.5136, 81.9209,
13.1181

67.5136, 81.9209,
13.1181

441.1745,
501.3831, 222.9075

49.7744, 61.3003,
7.3782

114.7018,
136.0631, 32.2101

35.4512, 44.4676,
3.6177

144.8814,
170.3535, 46.3993

24.1788, 31.0383,
1.4181

179.9386,
209.9693, 64.2420

15.5918, 20.6280,
0.1558

220.2386,
255.2949, 86.1568

9.3247, 12.8524,
0.0000

266.1469,
306.7146, 112.5622

5.0124, 7.3270,
0.0000

318.0287,

2.2894, 3.6674,

364.6130, 143.8768

0.0000

376.2495,
429.3744, 180.5190

■ 0.7892, 1.4893,
0.0000

■ 0.0000, 0.2812,
0.0000

■ 67.5136, 81.9209,
13.1181

■ 67.5136, 81.9209,
13.1181


■ 67.2386, 81.8011,
12.2453


■ 68.0013, 82.1321,
15.0891


■ 68.7597, 82.4485,
18.4931


■ 69.8295, 82.8895,
23.5356

■ 71.2432, 83.4681,
30.3877

 73.0291, 84.1956,
39.1992

 75.2128, 85.0822,
50.1041

 77.8175, 86.1373,
63.2246

 80.8646, 87.3693,
78.6737

 84.3740, 88.7863,
96.5567

Harmonies

Analogous

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



91.2282, 81.9209, 13.5111



67.5136, 81.9209, 13.1181



50.4572, 81.9209, 24.3986

Triad

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



67.5136, 81.9209, 13.1181



49.4659, 81.9209, 212.9906



130.1481, 81.9209, 130.6108

Complementary

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



67.5136, 81.9209, 13.1181



16.8077, 7.2986, 84.5324

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.



113.7386, 81.9209, 219.8811



67.5136, 81.9209, 13.1181



65.8720, 81.9209, 281.5715

Square

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



67.5136, 81.9209, 13.1181



41.5544, 81.9209, 124.0035



89.2202, 81.9209, 284.5880



130.8362, 81.9209, 61.6030

Rectangle

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



67.5136, 81.9209, 13.1181



43.7976, 81.9209, 43.2179



89.2202, 81.9209, 284.5880



126.1584, 81.9209, 159.8200

Sweetspot

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



67.5155, 81.9247, 13.1198



85.5303, 96.1519, 60.5893



37.1123, 19.5984, 2.6920



18.1052, 20.4986, 11.9551



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.



67.5155, 81.9247, 13.1198



75.7176, 92.1189, 13.7900



41.5940, 68.5617, 11.9067



17.1001, 18.4473, 16.8091



36.1293, 43.9469, 6.5784



3.0125, 3.6595, 0.5476

Inverse Universe

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



16.8077, 7.2986, 84.5324



18.0940, 7.2427, 95.0521



26.0298, 12.0528, 84.9640



14.9174, 15.2391, 19.8768



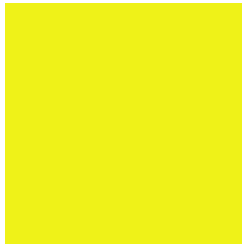
8.6416, 3.4603, 45.3403



0.7259, 0.2915, 3.7722

Previews

White Background



This preview shows how the XYZ color 67.5136, 81.9209, 13.1181 looks on a white background.

Color Contrast Check

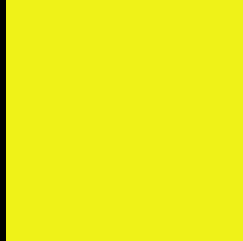
Large Text (above 18pt) WCAG AA × Fail

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 67.5136, 81.9209, 13.1181 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 67.5136, 81.9209, 13.1181

Background



This preview shows how black text looks on a background with the XYZ color 67.5136, 81.9209, 13.1181.



This preview shows how white text looks on a background with the XYZ color 67.5136, 81.9209,

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

67.5136, 81.9209, 13.1181

Protanopia

74.8965, 81.7991, 34.0316

Deuteranopia

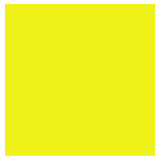
79.5006, 81.8392, 63.8310



Tritanopia

84.3429, 81.5815, 96.0955

Trichromacy



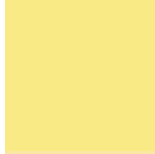
Original Color

67.5136, 81.9209, 13.1181



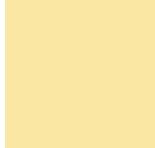
Protanomaly

71.3269, 81.4984, 22.3274



Deuteranomaly

72.7234, 80.6788, 33.9299



Tritanomaly

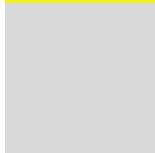
74.2537, 79.9359, 46.1659

Monochromacy



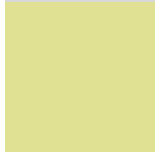
Original Color

67.5136, 81.9209, 13.1181



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.8540, 71.7730, 37.7350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5136, 81.9209, 13.1181 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(239, 242, 24)` looks like.

```
.text, #text, p{  
    color:rgb(239, 242, 24)  
}
```

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(239, 242, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 242, 24) }
```

Border

The CSS property to change the border of an element to XYZ 67.5136, 81.9209, 13.1181 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(239, 242, 24) }
```


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

```
.border{ border-color:rgb(239, 242, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 242, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 242, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 242, 24);  
box-shadow:4px 4px 4px 4px rgb(239, 242,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5136, 81.9209, 13.1181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 242, 24) }
```

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

```
.background{ background-color: rgb(239,  
242, 24) }
```

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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