

Converting Colors

XYZ(69.7742, 86.0975, 16.6742)

Have a look what the booklet for
XYZ(69.7742, 86.0975, 16.6742)
contains.

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Color

**XYZ(69.8494, 86.2140,
16.7009)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF938
RGB	238, 249, 56
RGB Percent	93%, 98%, 22%
CMY	0.0667, 0.0235, 0.7804
CMYK	0.04, 0.00, 0.78, 0.02
HSL	63°, 94%, 60%
HSV	63°, 78%, 98%
XYZ	69.8494, 86.2140, 16.7009
YIQ	223.7090, 55.3970, -62.3550

Conversions

Conversions Part 2

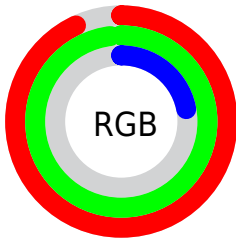
Format	Color
RYB	56, 249, 67
Decimal	15661368
CIELab	94.40, -24.67, 83.29
CIELCh	94, 86.869, 106.498
Yxy	86.2140, 0.4043, 0.4990
Android (android.graphics.Color)	4293851448 (0xFFEEF938)
YUV	223.7090, -82.6805, 12.5332
Hunter-Lab	92.8515, -28.2099, 54.3317

Details

The XYZ color **69.8494, 86.2140, 16.7009** 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 **20.8303, 10.8630, 90.6267**, and the grayscale version is **71.1902, 74.8976, 81.5635**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **37.4301, 47.6049, 7.2159** is the 20% darker color. If you saturate the color by 10%, you get **68.9111, 85.7870, 14.2304**, and if you desaturate by 10%, it is **71.0979, 86.7719, 20.7682**.

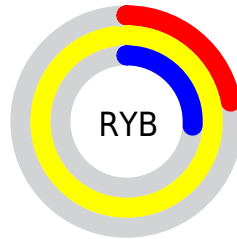
Distribution



Red (93%)

Green (98%)

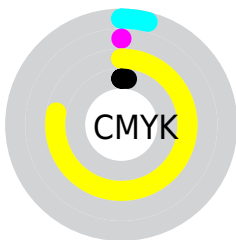
Blue (22%)



Red (22%)

Yellow (98%)

Blue (26%)

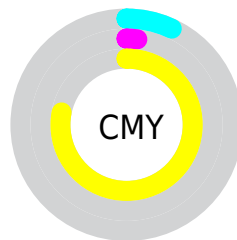


Cyan (4%)

Magenta (0%)

Yellow (78%)

Black (2%)



Cyan (7%)

Magenta (2%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8494, 86.2140, 16.7009 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 69.8494, 86.2140, 16.7009 by changing the saturation by 10% instead.

69.8494, 86.2140,
16.7009

69.8494, 86.2140,
16.7009

449.2957,
515.6366, 245.4281

51.6829, 64.8449,
9.8618

118.0214,
142.0681, 38.5944

36.9756, 47.3354,
5.2030

148.7576,
177.3219, 54.4858

25.3622, 33.3009,
2.3060

184.4145,
217.9728, 74.2318

16.4773, 22.3570,
0.7346

225.3574,
264.4051, 98.2508

9.9555, 14.1195,
0.0000

271.9515,
317.0032, 126.9614

5.4315, 8.2038,
0.0000

324.5624,

2.5399, 4.2256,

376.1516, 160.7821

0.0000

383.5554,
442.2346, 200.1315

■ 0.9154, 1.8006,
0.0000

■ 0.0000, 0.4875,
0.0000

■ 69.8494, 86.2140,
16.7009

■ 69.8494, 86.2140,
16.7009

■ 68.9111, 85.7870,
14.2304

■ 71.0979, 86.7719,
20.7682


■ 68.2252, 85.4582,
13.0775


■ 72.6902, 87.4646,
26.6351


■ 68.0743, 85.3843,
12.8929


■ 74.6620, 88.3095,
34.4804


■ 77.0428, 89.3184,
44.4598

 79.8593, 90.5020,
56.7136

 83.1358, 91.8701,
71.3701

 86.8949, 93.4317,
88.5480

 91.1232, 95.1814,
108.1769

 91.6323, 95.4439,
108.2007

Harmonies

Analogous

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



92.8742, 86.2140, 16.1568



69.8494, 86.2140, 16.7009



53.5134, 86.2140, 30.2849

Triad

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



69.8494, 86.2140, 16.7009



54.7719, 86.2140, 221.3562



133.7819, 86.2140, 127.1899

Complementary

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



69.8494, 86.2140, 16.7009



20.8303, 10.8630, 90.6267

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.



118.9940, 86.2140, 213.0454



69.8494, 86.2140, 16.7009



71.9066, 86.2140, 282.4950

Square

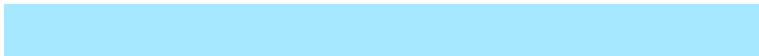
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8494, 86.2140, 16.7009



46.0080, 86.2140, 135.3034



95.3595, 86.2140, 278.8857



132.9418, 86.2140, 61.9012

Rectangle

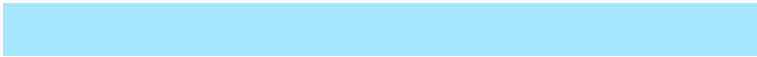
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8494, 86.2140, 16.7009



47.2959, 86.2140, 51.3826



95.3595, 86.2140, 278.8857



130.3696, 86.2140, 155.0163

Sweetspot

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



69.8514, 86.2180, 16.7027



85.7838, 96.1526, 66.4717



41.7116, 24.2832, 6.2312



18.1025, 20.4724, 13.0769



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.



69.8514, 86.2180, 16.7027



72.3059, 90.3476, 14.1938



45.8948, 73.8679, 15.5815



18.6239, 20.1374, 18.3677



36.4790, 45.7239, 6.9029



3.4075, 4.2497, 0.6407

Inverse Universe

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



20.8303, 10.8630, 90.6267



18.8403, 7.9449, 95.1483



33.4468, 17.3670, 91.2171



16.3746, 16.6902, 21.7438



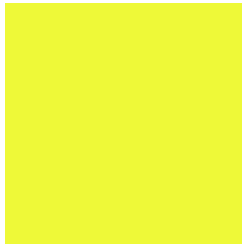
9.2876, 3.7306, 48.2041



0.8914, 0.3616, 4.4660

Previews

White Background



This preview shows how the XYZ color 69.8494, 86.2140, 16.7009 looks on a white background.

Color Contrast Check

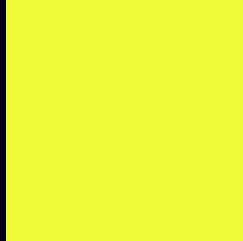
Large Text (above 18pt) WCAG AA × Fail

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 69.8494, 86.2140, 16.7009 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 69.8494, 86.2140, 16.7009

Background



This preview shows how black text looks on a background with the XYZ color 69.8494, 86.2140, 16.7009.



This preview shows how white text looks on a background with the XYZ color 69.8494, 86.2140,

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

69.8494, 86.2140, 16.7009

Protanopia

79.5529, 85.9716, 51.4310

Deuteranopia

83.1191, 86.0044, 74.5070



Tritanopia

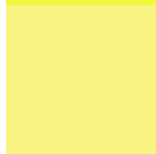
87.3519, 85.8754, 102.4141

Trichromacy



Original Color

69.8494, 86.2140, 16.7009



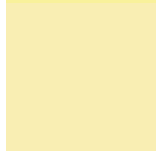
Protanomaly

75.1468, 85.8526, 33.7296



Deuteranomaly

76.4386, 85.4169, 43.4687



Tritanomaly

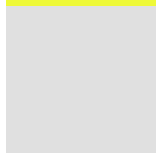
77.7781, 84.5435, 54.8670

Monochromacy



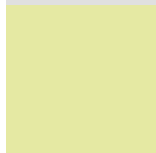
Original Color

69.8494, 86.2140, 16.7009



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.0629, 77.5802, 46.0375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8494, 86.2140, 16.7009 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, 249, 56)` looks like.

```
.text, #text, p{  
    color:rgb(238, 249, 56)  
}
```

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, 249, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 249, 56) }
```

Border

The CSS property to change the border of an element to XYZ 69.8494, 86.2140, 16.7009 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, 249, 56) }
```


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

```
.border{ border-color:rgb(238, 249, 56) }
```

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

Here you see how a box with a 4 pixel rgb(238, 249, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 249, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 249, 56);  
box-shadow:4px 4px 4px 4px rgb(238, 249,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8494, 86.2140, 16.7009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 249, 56) }
```

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

```
.background{ background-color: rgb(238,  
249, 56) }
```

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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