

Converting Colors

XYZ(69.8035, 87.0779, 18.5987)

Have a look what the booklet for
XYZ(69.8035, 87.0779, 18.5987)
contains.

XYZ(69.8015, 87.0739, 18.5969)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.8015, 87.0739,
18.5969)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFB44
RGB	235, 251, 68
RGB Percent	92%, 98%, 27%
CMY	0.0784, 0.0157, 0.7333
CMYK	0.06, 0.00, 0.73, 0.02
HSL	65°, 96%, 63%
HSV	65°, 73%, 98%
XYZ	69.8015, 87.0739, 18.5969
YIQ	225.3540, 49.2070, -60.3050

Conversions

Conversions Part 2

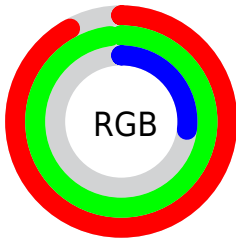
Format	Color
RYB	68, 251, 84
Decimal	15465284
CIELab	94.77, -26.35, 80.02
CIELCh	95, 84.243, 108.227
Yxy	87.0739, 0.3978, 0.4962
Android (android.graphics.Color)	4293655364 (0xFFE8FB44)
YUV	225.3540, -77.5755, 8.4595
Hunter-Lab	93.3134, -29.7746, 53.5032

Details

The XYZ color **69.8015, 87.0739, 18.5969** 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 **23.1387, 12.9861, 92.5592**, and the grayscale version is **72.3416, 76.1090, 82.8828**.

A 20% lighter version of the original color is **80.8963, 94.3385, 34.3675**, and **37.1943, 48.1442, 7.3324** is the 20% darker color. If you saturate the color by 10%, you get **68.4737, 86.4628, 15.3566**, and if you desaturate by 10%, it is **71.4699, 87.8287, 23.5668**.

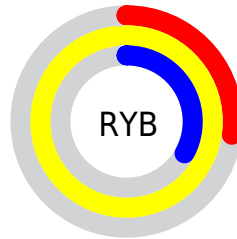
Distribution



Red (92%)

Green (98%)

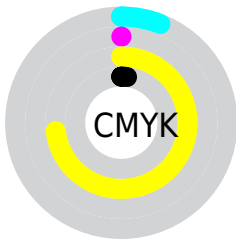
Blue (27%)



Red (27%)

Yellow (98%)

Blue (33%)

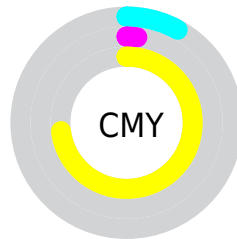


Cyan (6%)

Magenta (0%)

Yellow (73%)

Black (2%)



Cyan (8%)

Magenta (2%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8015, 87.0739, 18.5969 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 69.8015, 87.0739, 18.5969 by changing the saturation by 10% instead.

69.8015, 87.0739,
18.5969

69.8015, 87.0739,
18.5969

449.1300,
518.4657, 256.5624

51.6437, 65.5564,
11.2055

117.9535,
143.2671, 41.8794

36.9443, 47.9124,
6.0893

148.6783,
178.7116, 58.6076

25.3378, 33.7575,
2.8298

184.3230,
219.5672, 79.2852

16.4590, 22.7074,
1.0084

225.2528,
266.2183, 104.3307

9.9424, 14.3776,
0.0000

271.8330,
319.0493, 134.1626

5.4228, 8.3837,
0.0000

324.4290,

2.5347, 4.3415,

378.4446, 169.1995

0.0000

383.4063,
444.7886, 209.8599

■ 0.9128, 1.8663,
0.0000

■ 0.0000, 0.5280,
0.0000

■ 69.8015, 87.0739,
18.5969

■ 69.8015, 87.0739,
18.5969

■ 68.4737, 86.4628,
15.3566

■ 71.4699, 87.8287,
23.5668

■ 67.4354, 85.9652,
13.6027

■ 73.5102, 88.7302,
30.4569

■ 66.8284, 85.6647,
13.0127

■ 75.9566, 89.7951,
39.4385

■ 78.8379, 91.0349,
50.6627

82.1800, 92.4602,
64.2665

86.0070, 94.0805,
80.3761

90.3411, 95.9047,
99.1088

92.8987, 97.0194,
108.4381

93.7009, 97.4329,
108.4756

Harmonies

Analogous

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



92.0253, 87.0739, 17.3900



69.8015, 87.0739, 18.5969



54.2007, 87.0739, 33.3831

Triad

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



69.8015, 87.0739, 18.5969



56.8732, 87.0739, 222.5315



133.4810, 87.0739, 122.7812

Complementary

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



69.8015, 87.0739, 18.5969



23.1387, 12.9861, 92.5592

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.



119.9197, 87.0739, 205.3557



69.8015, 87.0739, 18.5969



74.1405, 87.0739, 278.3018

Square

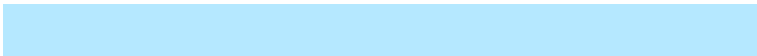
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8015, 87.0739, 18.5969



47.7354, 87.0739, 139.7128



97.2331, 87.0739, 270.8751



131.7334, 87.0739, 60.7325

Rectangle

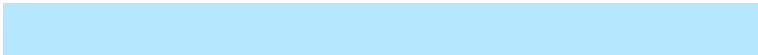
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8015, 87.0739, 18.5969



48.3809, 87.0739, 55.4698



97.2331, 87.0739, 270.8751



130.4732, 87.0739, 149.3768

Sweetspot

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



69.8035, 87.0779, 18.5987



85.5148, 95.9800, 67.9909



43.9426, 27.1538, 8.3952



18.0894, 20.4526, 13.6665



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.



69.8035, 87.0779, 18.5987



70.4941, 89.3941, 14.9892



47.0894, 75.3683, 17.5357



18.5689, 20.1090, 18.3651



35.1890, 45.0589, 6.8426



3.3018, 4.1952, 0.6357

Inverse Universe

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



23.1387, 12.9861, 92.5592



20.0430, 9.0610, 95.3003



37.1059, 20.1864, 93.2129



16.4238, 16.7156, 21.7461



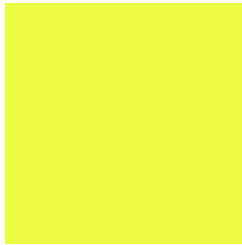
9.3752, 3.7758, 48.2082



0.9147, 0.3736, 4.4671

Previews

White Background



This preview shows how the XYZ color 69.8015, 87.0739, 18.5969 looks on a white background.

Color Contrast Check

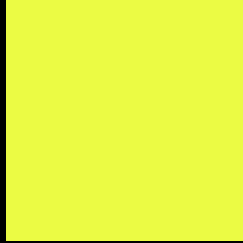
Large Text (above 18pt) WCAG AA × Fail

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 69.8015, 87.0739, 18.5969 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 69.8015, 87.0739, 18.5969

Background



This preview shows how black text looks on a background with the XYZ color 69.8015, 87.0739, 18.5969.



This preview shows how white text looks on a background with the XYZ color 69.8015, 87.0739,

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

69.8015, 87.0739, 18.5969

Protanopia

80.4360, 86.7945, 54.6331

Deuteranopia

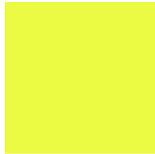
83.7899, 86.7347, 76.6152



Tritanopia

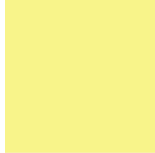
87.2973, 86.6329, 105.0493

Trichromacy



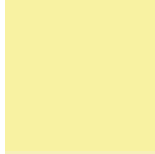
Original Color

69.8015, 87.0739, 18.5969



Protanomaly

75.6495, 86.4928, 36.7524



Deuteranomaly

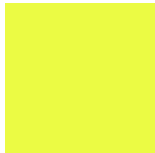
76.9851, 86.0694, 46.7379



Tritanomaly

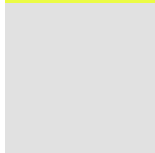
78.0291, 85.4582, 58.8369

Monochromacy



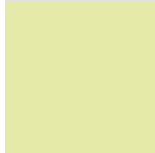
Original Color

69.8015, 87.0739, 18.5969



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.8038, 78.3308, 48.5388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8015, 87.0739, 18.5969 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, 251, 68)` looks like.

```
.text, #text, p{  
    color:rgb(235, 251, 68)  
}
```

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, 251, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 251, 68) }
```

Border

The CSS property to change the border of an element to XYZ 69.8015, 87.0739, 18.5969 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, 251, 68) }
```


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

```
.border{ border-color:rgb(235, 251, 68) }
```

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

Here you see how a box with a 4 pixel rgb(235, 251, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 251, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 251, 68);  
box-shadow:4px 4px 4px 4px rgb(235, 251,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8015, 87.0739, 18.5969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 251, 68) }
```

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

```
.background{ background-color: rgb(235,  
251, 68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor