

Converting Colors

XYZ(75.4420, 100.0000,
18.3034)

Have a look what the booklet for
XYZ(75.4420, 100.0000, 18.3034)
contains.

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Color

**XYZ(69.9400, 89.0739,
16.5244)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FF32
RGB	233, 255, 50
RGB Percent	91%, 100%, 20%
CMY	0.0863, 0.0000, 0.8039
CMYK	0.09, 0.00, 0.80, 0.00
HSL	66°, 100%, 60%
HSV	66°, 80%, 100%
XYZ	69.9400, 89.0739, 16.5244
YIQ	225.0520, 52.6930, -68.4190

Conversions

Conversions Part 2

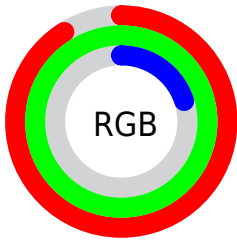
Format	Color
R _Y B	50, 255, 72
Decimal	15335218
CIE Lab	95.61, -29.68, 85.75
CIE LCh	96, 90.743, 109.091
Yxy	89.0739, 0.3984, 0.5074
Android (android.graphics.Color)	4293525298 (0xFFE9FF32)
YUV	225.0520, -86.3006, 6.9704
Hunter-Lab	94.3790, -32.8849, 55.6845

Details

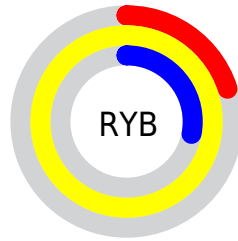
The XYZ color **69.9400, 89.0739, 16.5244** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.8644, 10.8803, 95.5555**, and the grayscale version is **72.1802, 75.9392, 82.6977**.

A 20% lighter version of the original color is **80.0945, 94.0178, 30.1455**, and **37.4277, 49.2724, 7.5379** is the 20% darker color. If you saturate the color by 10%, you get **68.6477, 88.4545, 14.3476**, and if you desaturate by 10%, it is **71.5521, 89.8227, 20.3149**.

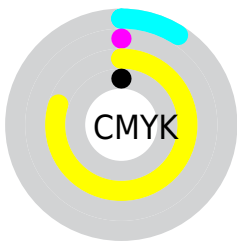
Distribution



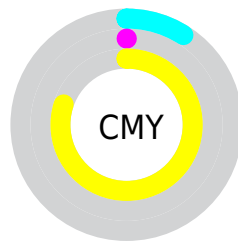
- Red (91%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (28%)



- Cyan (9%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9400, 89.0739, 16.5244 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 69.9400, 89.0739, 16.5244 by changing the saturation by 10% instead.

69.9400, 89.0739,
16.5244

69.9400, 89.0739,
16.5244

449.6090,
525.0137, 244.3670

51.7570, 67.2128,
9.7376

118.1499,
146.0513, 38.2856

37.0349, 49.2576,
5.1220

148.9076,
181.9364, 54.0971

25.4083, 34.8239,
2.2590

184.5876,
223.2650, 73.7540

16.5119, 23.5272,
0.7081

225.5551,
270.4215, 97.6747

9.9802, 14.9833,
0.0000

272.1757,
323.7902, 126.2778

5.4480, 8.8077,
0.0000

324.8147,

2.5499, 4.6159,

383.7555, 159.9818

0.0000

383.8373,
450.7019, 199.2054

■ 0.9205, 2.0237,
0.0000

■ 0.0000, 0.6212,
0.0000

■ 69.9400, 89.0739,
16.5244

■ 69.9400, 89.0739,
16.5244

■ 68.6477, 88.4545,
14.3476

■ 71.5521, 89.8227,
20.3149

■ 67.6382, 87.9538,
13.4119

■ 73.5284, 90.7189,
25.9498

■ 75.9062, 91.7773,
33.6260

■ 78.7180, 93.0109,
43.5143

■ 81.9930, 94.4314,
55.7679

■ 85.7576, 96.0493,
70.5260

■ 90.0364, 97.8746,
87.9173

94.8520, 99.9163,
108.0614

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



94.0564, 89.0739, 15.0158



69.9400, 89.0739, 16.5244



53.3720, 89.0739, 32.0265

Triad

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



69.9400, 89.0739, 16.5244



57.0048, 89.0739, 242.0208



140.9547, 89.0739, 125.3394

Complementary

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



69.9400, 89.0739, 16.5244



21.8644, 10.8803, 95.5555

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.



126.2746, 89.0739, 217.4387



69.9400, 89.0739, 16.5244



75.9151, 89.0739, 303.7213

Square

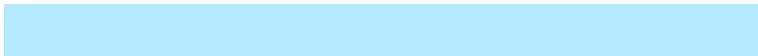
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9400, 89.0739, 16.5244



46.9796, 89.0739, 149.1374



101.3174, 89.0739, 293.0056



138.4843, 89.0739, 58.6771

Rectangle

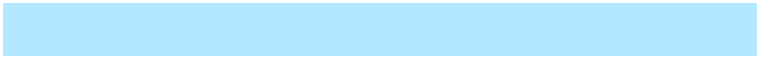
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9400, 89.0739, 16.5244



47.3317, 89.0739, 55.7980



101.3174, 89.0739, 293.0056



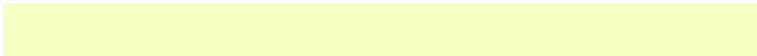
137.7635, 89.0739, 154.6564

Sweetspot

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



69.9400, 89.0739, 16.5256



84.3398, 95.4415, 64.8981



44.0381, 25.9347, 5.7036



17.7667, 20.3057, 12.7734



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.



69.9400, 89.0739, 16.5256



68.0418, 88.1554, 13.7224



45.8527, 76.6564, 15.3983



19.3579, 20.9859, 19.1747



35.4199, 45.9977, 7.0116



3.5014, 4.5058, 0.6852

Inverse Universe

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



21.8644, 10.8803, 95.5555



18.9049, 7.8251, 95.1217



36.4256, 18.3868, 96.2369



17.1839, 17.4710, 22.7165



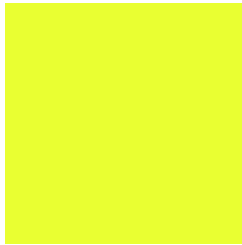
9.7308, 3.9269, 49.6797



1.0040, 0.4115, 4.8398

Previews

White Background



This preview shows how the XYZ color 69.9400, 89.0739, 16.5244 looks on a white background.

Color Contrast Check

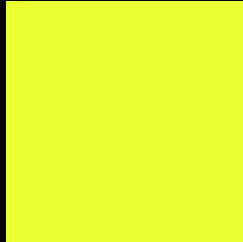
Large Text (above 18pt) WCAG AA × Fail

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 69.9400, 89.0739, 16.5244 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 69.9400, 89.0739, 16.5244

Background



This preview shows how black text looks on a background with the XYZ color 69.9400, 89.0739, 16.5244.

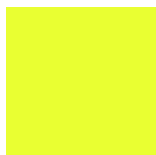


This preview shows how white text looks on a background with the XYZ color 69.9400, 89.0739,

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



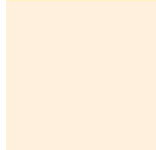
Original Color

69.9400, 89.0739, 16.5244



Protanopia

82.3961, 88.5258, 62.0347



Deuteranopia

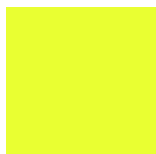
85.4512, 88.8006, 81.0431



Tritanopia

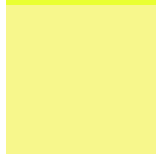
88.0489, 88.6931, 107.0865

Trichromacy



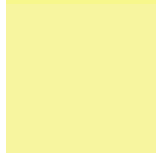
Original Color

69.9400, 89.0739, 16.5244



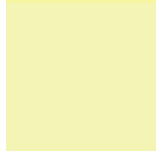
Protanomaly

76.3522, 88.1891, 37.8090



Deuteranomaly

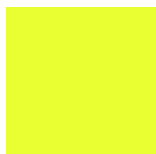
77.2682, 87.5822, 45.6335



Tritanomaly

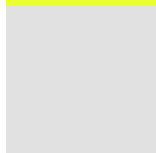
77.8971, 87.2298, 55.9114

Monochromacy



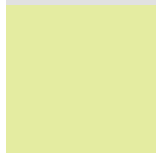
Original Color

69.9400, 89.0739, 16.5244



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.4234, 79.0581, 45.3717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9400, 89.0739, 16.5244 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(233, 255, 50)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 50)  
}
```

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(233, 255, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 50) }
```

Border

The CSS property to change the border of an element to XYZ 69.9400, 89.0739, 16.5244 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(233, 255, 50) }
```


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

```
.border{ border-color:rgb(233, 255, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 50);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9400, 89.0739, 16.5244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 50) }
```

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

```
.background{ background-color: rgb(233,  
255, 50) }
```

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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