

Converting Colors

XYZ(39.5892, 69.2515, 14.8947)

Have a look what the booklet for
XYZ(39.5892, 69.2515, 14.8947)
contains.

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Color

**XYZ(39.5892, 69.2515,
14.8947)**

Conversions

Conversions Part 1

Format	Color
Hex	6AF637
RGB	106, 246, 55
RGB Percent	42%, 96%, 22%
CMY	0.5843, 0.0353, 0.7843
CMYK	0.57, 0.00, 0.78, 0.04
HSL	104°, 91%, 59%
HSV	104°, 78%, 96%
XYZ	39.5892, 69.2515, 14.8947
YIQ	182.3660, -22.1290, -89.0810

Conversions

Conversions Part 2

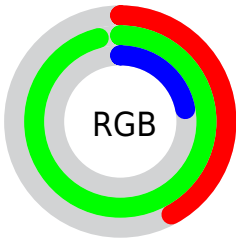
Format	Color
RYB	55, 246, 195
Decimal	7009847
CIELab	86.63, -68.96, 73.89
CIElCh	87, 101.071, 133.020
Yxy	69.2515, 0.3200, 0.5597
Android (android.graphics.Color)	4285199927 (0xFF6AF637)
YUV	182.3660, -62.7914, -66.9730
Hunter-Lab	83.2175, -60.7125, 47.6402

Details

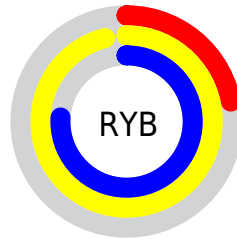
The XYZ color **39.5892, 69.2515, 14.8947** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **40.5108, 20.9910, 89.1090**, and the grayscale version is **45.0057, 47.3495, 51.5636**.

A 20% lighter version of the original color is **55.4899, 81.3270, 29.2961**, and **18.2327, 36.0950, 6.0061** is the 20% darker color. If you saturate the color by 10%, you get **37.2182, 68.0833, 12.4356**, and if you desaturate by 10%, it is **42.7076, 70.7753, 18.9239**.

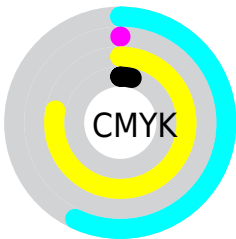
Distribution



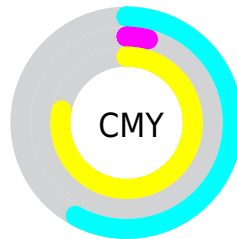
- Red (42%)
- Green (96%)
- Blue (22%)



- Red (22%)
- Yellow (96%)
- Blue (76%)



- Cyan (57%)
- Magenta (0%)
- Yellow (78%)
- Black (4%)





- Cyan (58%)
- Magenta (4%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5892, 69.2515, 14.8947 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 39.5892, 69.2515, 14.8947 by changing the saturation by 10% instead.


 39.5892, 69.2515,
14.8947


 39.5892, 69.2515,
14.8947


335.5533,
457.9175, 234.3468

 27.4012, 50.9166,
8.5997


 73.8259, 118.1407,
35.4080


 18.0129, 36.1422,
4.3878


 96.6052, 149.4638,
50.4635


 11.0590, 24.5440,
1.8404


 123.6458,
185.8850, 69.2761

 6.1741, 15.7377,
0.4544

 155.3128,
227.7888, 92.2645

 2.9929, 9.3387,
0.0000

 191.9717,
275.5596, 119.8473

 1.1500, 4.9628,
0.0000

233.9879,

 0.0663, 2.2254,

329.5817, 152.4429

0.0000

281.7266,
390.2395, 190.4699

■ 0.0000, 0.7338,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.5892, 69.2515,
14.8947

■ 39.5892, 69.2515,
14.8947

■ 37.2182, 68.0833,
12.4356

■ 42.7076, 70.7753,
18.9239


■ 35.5101, 67.2267,
11.2712

■ 46.6330, 72.6746,
24.7222


■ 35.1823, 67.0614,
11.0899


■ 51.4238, 74.9780,
32.4644


■ 57.1310, 77.7083,
42.3029

 63.8016, 80.8868,
54.3750

 71.4791, 84.5333,
68.8063

 80.2045, 88.6662,
85.7131

 90.0161, 93.3030,
105.2041

 92.2472, 94.3943,
107.9657

Harmonies

Analogous

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



56.1710, 69.2515, 6.5770



39.5892, 69.2515, 14.8947



31.4139, 69.2515, 43.6139

Triad

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



39.5892, 69.2515, 14.8947



53.5056, 69.2515, 278.7856



120.2892, 69.2515, 49.8778

Complementary

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



39.5892, 69.2515, 14.8947



40.5108, 20.9910, 89.1090

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.



119.0873, 69.2515, 119.7808



39.5892, 69.2515, 14.8947



76.5184, 69.2515, 284.3465

Square

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



39.5892, 69.2515, 14.8947



38.0394, 69.2515, 202.3754



101.6502, 69.2515, 214.8124



104.6235, 69.2515, 17.1399

Rectangle

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



39.5892, 69.2515, 14.8947



30.2654, 69.2515, 82.4184



101.6502, 69.2515, 214.8124



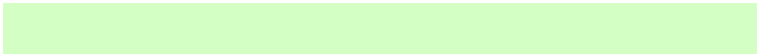
121.9368, 69.2515, 68.7976

Sweetspot

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



39.5908, 69.2544, 14.8962



72.9175, 89.5198, 65.8696



57.5227, 57.5201, 11.6862



14.9811, 18.8633, 12.9308



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.



39.5908, 69.2544, 14.8962



39.2754, 73.3198, 12.6480



36.6625, 67.5785, 22.2725



16.6972, 18.6859, 17.5243



18.8911, 35.8515, 5.9244



1.7539, 3.1992, 0.5251

Inverse Universe

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



40.5108, 20.9910, 89.1090



39.9227, 18.8133, 96.1349



50.3481, 26.7164, 60.0218



16.7568, 16.5328, 20.8505



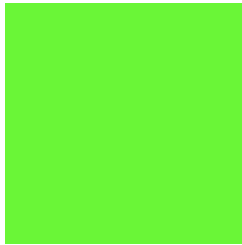
19.1058, 8.8237, 47.2342



1.7763, 0.8256, 4.1560

Previews

White Background



This preview shows how the XYZ color 39.5892, 69.2515, 14.8947 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 39.5892, 69.2515, 14.8947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

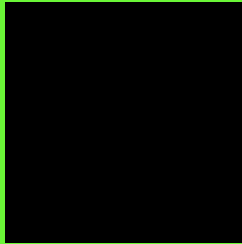
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

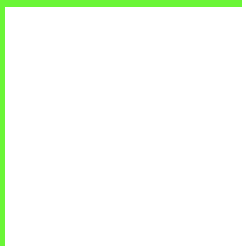
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5892, 69.2515, 14.8947

Background



This preview shows how black text looks on a background with the XYZ color 39.5892, 69.2515, 14.8947.

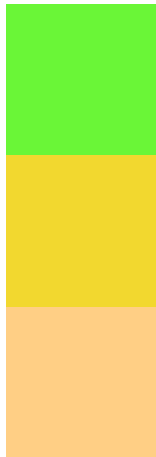


This preview shows how white text looks on a background with the XYZ color 39.5892, 69.2515,

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

39.5892, 69.2515, 14.8947

Protanopia

61.6869, 68.1942, 12.6009

Deuteranopia

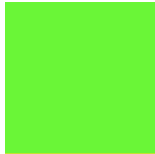
67.7865, 67.5791, 31.6616



Tritanopia

56.2903, 68.6556, 99.0920

Trichromacy



Original Color

39.5892, 69.2515, 14.8947



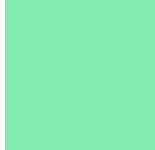
Protanomaly

50.0371, 66.5059, 13.2173



Deuteranomaly

52.4936, 65.1503, 23.1732



Tritanomaly

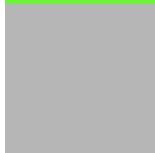
46.9501, 67.3768, 52.6500

Monochromacy



Original Color

39.5892, 69.2515, 14.8947



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.6017, 52.3102, 31.3022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5892, 69.2515, 14.8947 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(106, 246, 55)` looks like.

```
.text, #text, p{  
    color:rgb(106, 246, 55)  
}
```

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(106, 246, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 246, 55) }
```

Border

The CSS property to change the border of an element to XYZ 39.5892, 69.2515, 14.8947 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(106, 246, 55) }
```


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

```
.border{ border-color:rgb(106, 246, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 246, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 246, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 246, 55);  
box-shadow:4px 4px 4px 4px rgb(106, 246,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5892, 69.2515, 14.8947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 246, 55) }
```

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

```
.background{ background-color: rgb(106,  
246, 55) }
```

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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