

Converting Colors

XYZ(35.9006, 62.4315, 16.1395)

Have a look what the booklet for
XYZ(35.9006, 62.4315, 16.1395)
contains.

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Color

**XYZ(35.8827, 62.4683,
16.1276)**

Conversions

Conversions Part 1

Format	Color
Hex	62EB47
RGB	98, 235, 71
RGB Percent	38%, 92%, 28%
CMY	0.6157, 0.0784, 0.7215
CMYK	0.58, 0.00, 0.70, 0.08
HSL	110°, 80%, 60%
HSV	110°, 70%, 92%
XYZ	35.8827, 62.4683, 16.1276
YIQ	175.3410, -29.0080, -80.0480

Conversions

Conversions Part 2

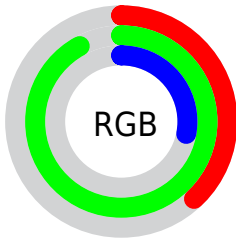
Format	Color
RYB	71, 235, 208
Decimal	6482759
CIELab	83.16, -66.05, 65.15
CIELCh	83, 92.775, 135.394
Yxy	62.4683, 0.3134, 0.5457
Android (android.graphics.Color)	4284672839 (0xFF62EB47)
YUV	175.3410, -51.4401, -67.8281
Hunter-Lab	79.0369, -57.2757, 43.2276

Details

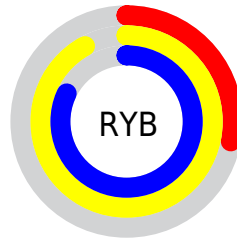
The XYZ color **35.8827, 62.4683, 16.1276** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **43.2648, 23.9169, 80.9368**, and the grayscale version is **41.1951, 43.3405, 47.1978**.

A 20% lighter version of the original color is **54.3542, 80.6556, 33.1254**, and **15.9329, 31.8472, 5.3074** is the 20% darker color. If you saturate the color by 10%, you get **33.4051, 61.2639, 12.8075**, and if you desaturate by 10%, it is **39.1742, 64.0624, 21.0097**.

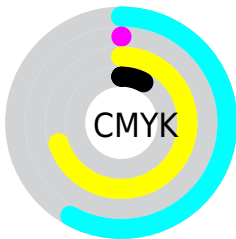
Distribution



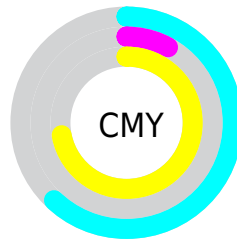
- Red (38%)
- Green (92%)
- Blue (28%)



- Red (28%)
- Yellow (92%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (70%)
- Black (8%)





- Cyan (62%)
- Magenta (8%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8827, 62.4683, 16.1276 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 35.8827, 62.4683, 16.1276 by changing the saturation by 10% instead.


 35.8827, 62.4683,
16.1276


 35.8827, 62.4683,
16.1276


319.8877,
433.6373, 241.9648

 24.5133, 45.4112,
9.4592


 68.1760, 108.4021,
37.5895


 15.8416, 31.7814,
4.9410


 89.8307, 138.0475,
53.2199


 9.5023, 21.1946,
2.1545


 115.6445,
172.6579, 72.6749

 5.1299, 13.2663,
0.6480

 145.9827,
212.6176, 96.3728

 2.3592, 7.6122,
0.0000

 181.2108,
258.3110, 124.7322

 0.8247, 3.8478,
0.0000

221.6941,

 0.0000, 1.5888,

310.1224, 158.1716

0.0000

267.7980,
368.4364, 197.1097

■ 0.0000, 0.3500,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8827, 62.4683,
16.1276

■ 35.8827, 62.4683,
16.1276

■ 33.4051, 61.2639,
12.8075

■ 39.1742, 64.0624,
21.0097

■ 31.6626, 60.4070,
10.8553


■ 43.3400, 66.0682,
27.6098


■ 30.5530, 59.8537,
9.9571


■ 48.4397, 68.5152,
36.0693


■ 30.5343, 59.8444,
9.9418

■ 54.5262, 71.4280,
46.5140

 61.6485, 74.8294,
59.0588

 69.8523, 78.7406,
73.8097

 79.1804, 83.1816,
90.8656

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



49.6909, 62.4683, 7.3739



35.8827, 62.4683, 16.1276



29.2691, 62.4683, 43.7419

Triad

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



35.8827, 62.4683, 16.1276



50.1486, 62.4683, 241.2796



104.9948, 62.4683, 42.6547

Complementary

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



35.8827, 62.4683, 16.1276



43.2648, 23.9169, 80.9368

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.



105.1962, 62.4683, 99.9343



35.8827, 62.4683, 16.1276



70.2403, 62.4683, 240.3636

Square

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



35.8827, 62.4683, 16.1276



36.1522, 62.4683, 181.2285



91.3733, 62.4683, 179.1659



90.8728, 62.4683, 15.7184

Rectangle

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



35.8827, 62.4683, 16.1276



28.6014, 62.4683, 78.9665



91.3733, 62.4683, 179.1659



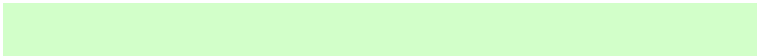
106.7829, 62.4683, 58.1302

Sweetspot

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



35.8842, 62.4709, 16.1290



73.0094, 89.4988, 68.9633



57.8758, 63.0696, 15.0855



15.1007, 18.9052, 13.8292



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.



35.8842, 62.4709, 16.1290



39.1419, 73.2176, 14.1490



36.0533, 62.2569, 29.7444



15.0993, 16.9812, 16.0006



17.0637, 33.3411, 5.5361



1.4087, 2.6535, 0.4379

Inverse Universe

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



43.2648, 23.9169, 80.9368



48.2732, 23.9675, 96.6896



44.7888, 25.4792, 45.9182



15.4573, 15.1810, 19.0378



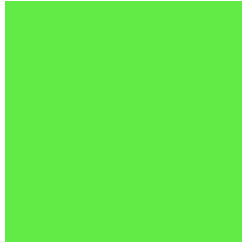
21.1543, 9.9414, 44.5469



1.7259, 0.8140, 3.5010

Previews

White Background



This preview shows how the XYZ color 35.8827, 62.4683, 16.1276 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 35.8827, 62.4683, 16.1276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

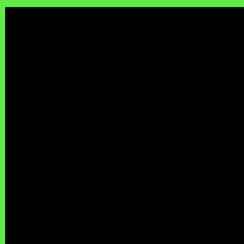
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8827, 62.4683, 16.1276

Background



This preview shows how black text looks on a background with the XYZ color 35.8827, 62.4683, 16.1276.

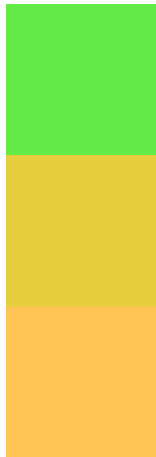


This preview shows how white text looks on a background with the XYZ color 35.8827, 62.4683,

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

35.8827, 62.4683, 16.1276

Protanopia

55.6016, 61.3245, 13.6089

Deuteranopia

62.4348, 60.9621, 17.2803



Tritanopia

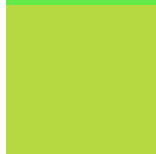
50.2904, 61.7640, 89.3918

Trichromacy



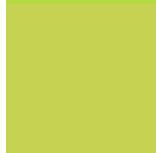
Original Color

35.8827, 62.4683, 16.1276



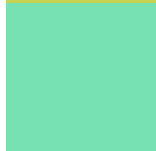
Protanomaly

45.0876, 59.9641, 14.3521



Deuteranomaly

47.8205, 58.6930, 16.5931



Tritanomaly

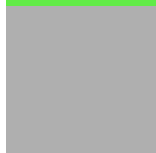
42.6068, 61.0178, 51.1270

Monochromacy



Original Color

35.8827, 62.4683, 16.1276



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

36.5142, 47.9417, 30.9961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8827, 62.4683, 16.1276 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(98, 235, 71)` looks like.

```
.text, #text, p{  
    color:rgb(98, 235, 71)  
}
```

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(98, 235, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 235, 71) }
```

Border

The CSS property to change the border of an element to XYZ 35.8827, 62.4683, 16.1276 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(98, 235, 71) }
```


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

```
.border{ border-color:rgb(98, 235, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 235, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 235, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 235, 71);  
box-shadow:4px 4px 4px 4px rgb(98, 235,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8827, 62.4683, 16.1276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 235, 71) }
```

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

```
.background{ background-color: rgb(98, 235,  
71) }
```

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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