

Converting Colors

XYZ(39.8778, 64.4281, 16.1986)

Have a look what the booklet for
XYZ(39.8778, 64.4281, 16.1986)
contains.

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Color

**XYZ(39.8671, 64.5260,
16.1479)**

Conversions

Conversions Part 1

Format	Color
Hex	81EB46
RGB	129, 235, 70
RGB Percent	51%, 92%, 27%
CMY	0.4941, 0.0784, 0.7255
CMYK	0.45, 0.00, 0.70, 0.08
HSL	99°, 80%, 60%
HSV	99°, 70%, 92%
XYZ	39.8671, 64.5260, 16.1479
YIQ	184.4960, -10.2110, -73.7870

Conversions

Conversions Part 2

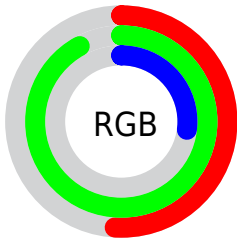
Format	Color
RYB	70, 235, 176
Decimal	8514374
CIELab	84.24, -57.79, 66.96
CIELCh	84, 88.448, 130.793
Yxy	64.5260, 0.3307, 0.5353
Android (android.graphics.Color)	4286704454 (0xFF81EB46)
YUV	184.4960, -56.4465, -48.6700
Hunter-Lab	80.3281, -51.9840, 44.3109

Details

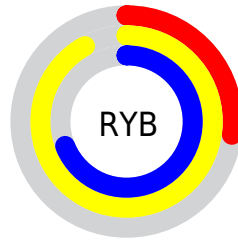
The XYZ color **39.8671, 64.5260, 16.1479** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **35.0935, 19.6108, 80.5365**, and the grayscale version is **46.1432, 48.5463, 52.8669**.

A 20% lighter version of the original color is **60.5770, 83.8711, 33.0747**, and **18.2351, 33.0341, 5.4151** is the 20% darker color. If you saturate the color by 10%, you get **37.1395, 63.1915, 12.8770**, and if you desaturate by 10%, it is **43.2267, 66.1568, 20.9651**.

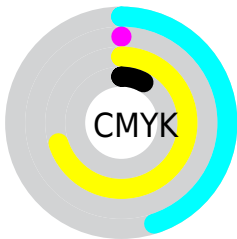
Distribution



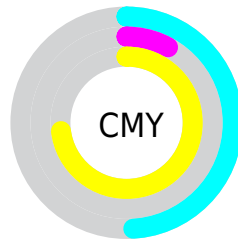
- Red (51%)
- Green (92%)
- Blue (27%)



- Red (27%)
- Yellow (92%)
- Blue (69%)



- Cyan (45%)
- Magenta (0%)
- Yellow (70%)
- Black (8%)





- Cyan (49%)
- Magenta (8%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8671, 64.5260, 16.1479 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 39.8671, 64.5260, 16.1479 by changing the saturation by 10% instead.


 39.8671, 64.5260,
16.1479


 39.8671, 64.5260,
16.1479


336.7071,
441.0867, 242.0883


 27.6187, 47.0768,
9.4734


 74.2467, 111.3681,
37.6251

 18.1774, 33.0964,
4.9502


 97.1086, 141.5299,
53.2649


 11.1779, 22.2003,
2.1599


 124.2391,
176.6979, 72.7302

 6.2548, 14.0042,
0.6511

 156.0035,
217.2567, 96.4396

 3.0427, 8.1236,
0.0000

 192.7671,
263.5905, 124.8115

 1.1764, 4.1741,
0.0000

234.8954,

 0.0876, 1.7714,

316.0839, 158.2646

0.0000

282.7536,
375.1211, 197.2174

■ 0.0000, 0.4693,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8671, 64.5260,
16.1479

■ 39.8671, 64.5260,
16.1479

■ 37.1395, 63.1915,
12.8770

■ 43.2267, 66.1568,
20.9651


■ 34.9886, 62.1229,
10.9577


■ 47.2580, 68.0949,
27.4846


■ 33.3680, 61.3053,
10.0744


■ 52.0020, 70.3603,
35.8476

■ 57.4949, 72.9690,
46.1797

 63.7703, 75.9358,
58.5955

 70.8594, 79.2744,
73.2005

 78.7917, 82.9980,
90.0934

 87.1068, 86.9236,
106.7946

 88.9997, 87.8994,
106.8832

Harmonies

Analogous

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



54.5439, 64.5260, 8.6396



39.8671, 64.5260, 16.1479



32.1948, 64.5260, 40.4104

Triad

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



39.8671, 64.5260, 16.1479



49.7548, 64.5260, 229.2818



106.2669, 64.5260, 51.9324

Complementary

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



39.8671, 64.5260, 16.1479



35.0935, 19.6108, 80.5365

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.



104.2168, 64.5260, 112.0548



39.8671, 64.5260, 16.1479



68.6569, 64.5260, 238.4128

Square

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



39.8671, 64.5260, 16.1479



37.0061, 64.5260, 166.9204



89.3750, 64.5260, 187.6499



94.4925, 64.5260, 20.7215

Rectangle

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



39.8671, 64.5260, 16.1479



30.8520, 64.5260, 71.7612



89.3750, 64.5260, 187.6499



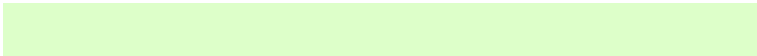
107.2257, 64.5260, 68.7757

Sweetspot

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



39.8686, 64.5288, 16.1493



76.0517, 91.0671, 69.1057



50.6020, 48.5729, 12.5038



15.8142, 19.2730, 13.8626



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.



39.8686, 64.5288, 16.1493



43.5448, 75.4874, 14.3550



34.1679, 61.4945, 20.1953



15.3766, 17.1242, 16.0136



18.6964, 34.1828, 5.6125



1.5697, 2.7366, 0.4455

Inverse Universe

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



35.0935, 19.6108, 80.5365



37.2914, 18.3061, 96.1757



48.4639, 26.8484, 65.5820



15.1621, 15.0288, 19.0240



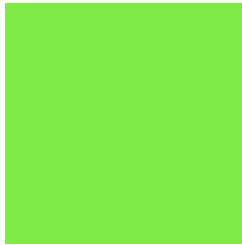
15.5903, 7.0730, 44.2865



1.3284, 0.6091, 3.4824

Previews

White Background



This preview shows how the XYZ color 39.8671, 64.5260, 16.1479 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 39.8671, 64.5260, 16.1479 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

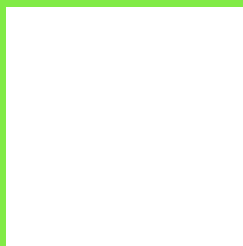
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8671, 64.5260, 16.1479

Background



This preview shows how black text looks on a background with the XYZ color 39.8671, 64.5260, 16.1479.



This preview shows how white text looks on a background with the XYZ color 39.8671, 64.5260,

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

39.8671, 64.5260, 16.1479

Protanopia

57.6294, 63.4522, 13.9127

Deuteranopia

64.4441, 63.5885, 22.2418



Tritanopia

54.3279, 63.8454, 89.5808

Trichromacy



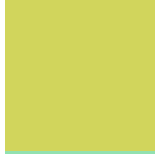
Original Color

39.8671, 64.5260, 16.1479



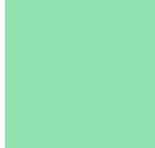
Protanomaly

48.8197, 62.2719, 14.6009



Deuteranomaly

52.0205, 61.9165, 19.3345



Tritanomaly

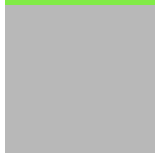
46.6157, 63.0960, 50.7961

Monochromacy



Original Color

39.8671, 64.5260, 16.1479



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.6237, 52.5876, 33.9432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8671, 64.5260, 16.1479 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(129, 235, 70)` looks like.

```
.text, #text, p{  
    color:rgb(129, 235, 70)  
}
```

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(129, 235, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 235, 70) }
```

Border

The CSS property to change the border of an element to XYZ 39.8671, 64.5260, 16.1479 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(129, 235, 70) }
```


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

```
.border{ border-color:rgb(129, 235, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 235, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 235, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 235, 70);  
box-shadow:4px 4px 4px 4px rgb(129, 235,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8671, 64.5260, 16.1479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 235, 70) }
```

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

```
.background{ background-color: rgb(129,  
235, 70) }
```

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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