

Converting Colors

XYZ(40.3939, 65.7032, 16.9426)

Have a look what the booklet for
XYZ(40.3939, 65.7032, 16.9426)
contains.

XYZ(40.3889, 65.6386, 16.8441)	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(40.3889, 65.6386,
16.8441)**

Conversions

Conversions Part 1

Format	Color
Hex	80ED49
RGB	128, 237, 73
RGB Percent	50%, 93%, 29%
CMY	0.4980, 0.0706, 0.7137
CMYK	0.46, 0.00, 0.69, 0.07
HSL	100°, 82%, 61%
HSV	100°, 69%, 93%
XYZ	40.3889, 65.6386, 16.8441
YIQ	185.7130, -12.3200, -74.1120

Conversions

Conversions Part 2

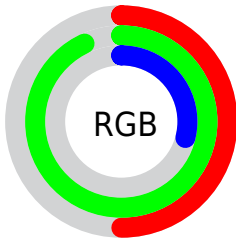
Format	Color
RYB	73, 237, 182
Decimal	8449353
CIELab	84.81, -58.63, 66.45
CIELCh	85, 88.616, 131.422
Yxy	65.6386, 0.3287, 0.5342
Android (android.graphics.Color)	4286639433 (0xFF80ED49)
YUV	185.7130, -55.5675, -50.6143
Hunter-Lab	81.0177, -52.7951, 44.3856

Details

The XYZ color **40.3889, 65.6386, 16.8441** 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 **36.9634, 20.8268, 82.1961**, and the grayscale version is **46.8192, 49.2574, 53.6413**.

A 20% lighter version of the original color is **60.5283, 83.8231, 34.1084**, and **18.5012, 33.7663, 5.5424** is the 20% darker color. If you saturate the color by 10%, you get **37.5600, 64.2564, 13.3627**, and if you desaturate by 10%, it is **43.8880, 67.3358, 21.9215**.

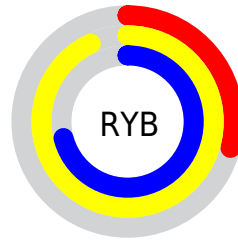
Distribution



Red (50%)

Green (93%)

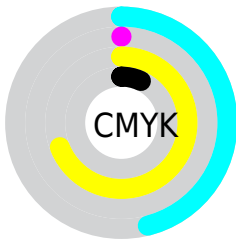
Blue (29%)



Red (29%)

Yellow (93%)

Blue (71%)

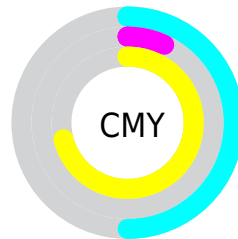


Cyan (46%)

Magenta (0%)

Yellow (69%)

Black (7%)



Cyan (50%)


Magenta (7%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3889, 65.6386, 16.8441 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 40.3889, 65.6386, 16.8441 by changing the saturation by 10% instead.


 40.3889, 65.6386,
16.8441


 40.3889, 65.6386,
16.8441


338.8664,
445.0833, 246.2858


 28.0275, 47.9791,
9.9626


 75.0359, 112.9675,
38.8445


 18.4869, 33.8103,
5.2689


 98.0522, 143.4056,
54.8005


 11.4019, 22.7479,
2.3444

 125.3509,
178.8721, 74.6184

 6.4071, 14.4075,
0.7559

 157.2972,
219.7513, 98.7168

 3.1372, 8.4046,
0.0000

 194.2565,
266.4276, 127.5142

 1.2267, 4.3549,
0.0000

236.5943,

 0.1273, 1.8740,

319.2855, 161.4292

0.0000

284.6758,
378.7092, 200.8802

■ 0.0000, 0.5327,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3889, 65.6386,
16.8441

■ 40.3889, 65.6386,
16.8441

■ 37.5600, 64.2564,
13.3627

■ 43.8880, 67.3358,
21.9215

■ 35.3437, 63.1576,
11.2821


■ 48.0991, 69.3598,
28.7516


■ 33.6672, 62.3132,
10.3079


■ 53.0651, 71.7319,
37.4772


■ 33.5497, 62.2538,
10.2479


■ 58.8243, 74.4689,
48.2253

 65.4119, 77.5866,
61.1119

 72.8610, 81.0995,
76.2440

 81.2028, 85.0216,
93.7217

 89.2170, 88.8663,
107.0584

 89.5755, 89.0511,
107.0752

Harmonies

Analogous

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



55.1299, 65.6386, 8.9478



40.3889, 65.6386, 16.8441



32.7508, 65.6386, 41.9936

Triad

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



40.3889, 65.6386, 16.8441



51.0002, 65.6386, 233.2267



107.7773, 65.6386, 51.9335

Complementary

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



40.3889, 65.6386, 16.8441



36.9634, 20.8268, 82.1961

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.



106.0119, 65.6386, 112.2585



40.3889, 65.6386, 16.8441



70.2557, 65.6386, 241.0820

Square

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



40.3889, 65.6386, 16.8441



37.9201, 65.6386, 170.9280



91.2004, 65.6386, 188.7680



95.6084, 65.6386, 20.7996

Rectangle

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



40.3889, 65.6386, 16.8441



31.4810, 65.6386, 74.2168



91.2004, 65.6386, 188.7680



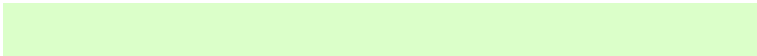
108.8523, 65.6386, 68.7905

Sweetspot

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



40.3904, 65.6414, 16.8455



75.6917, 90.8816, 69.0888



52.3710, 50.9697, 13.3822



15.7294, 19.2293, 13.8586



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.



40.3904, 65.6414, 16.8455



43.1841, 75.2962, 14.5769



35.2196, 62.8622, 21.7352



15.3443, 17.1075, 16.0121



18.4409, 34.0511, 5.6006



1.5470, 2.7248, 0.4444

Inverse Universe

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



36.9634, 20.8268, 82.1961



38.7001, 19.1669, 96.2676



49.2443, 27.5451, 65.2767



15.1957, 15.0462, 19.0255



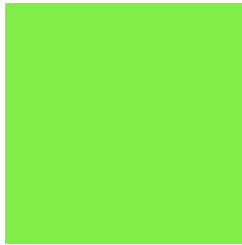
16.1382, 7.3555, 44.3121



1.3688, 0.6299, 3.4843

Previews

White Background



This preview shows how the XYZ color 40.3889, 65.6386, 16.8441 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 40.3889, 65.6386, 16.8441 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

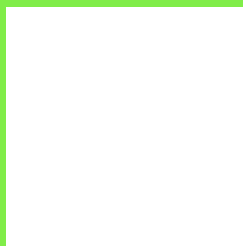
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3889, 65.6386, 16.8441

Background



This preview shows how black text looks on a background with the XYZ color 40.3889, 65.6386, 16.8441.



This preview shows how white text looks on a background with the XYZ color 40.3889, 65.6386,

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

40.3889, 65.6386, 16.8441

Protanopia

58.8697, 64.8147, 14.5620

Deuteranopia

65.1639, 64.2482, 24.8862



Tritanopia

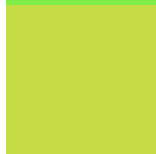
55.1467, 65.0128, 91.3035

Trichromacy



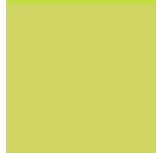
Original Color

40.3889, 65.6386, 16.8441



Protanomaly

49.6933, 63.4864, 15.2652



Deuteranomaly

52.5932, 62.5493, 21.1056



Tritanomaly

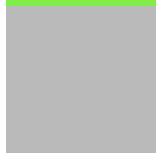
47.4598, 64.3038, 52.5583

Monochromacy



Original Color

40.3889, 65.6386, 16.8441



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.4592, 53.7063, 34.9166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3889, 65.6386, 16.8441 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(128, 237, 73)` looks like.

```
.text, #text, p{  
    color:rgb(128, 237, 73)  
}
```

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(128, 237, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 237, 73) }
```

Border

The CSS property to change the border of an element to XYZ 40.3889, 65.6386, 16.8441 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(128, 237, 73) }
```


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

```
.border{ border-color:rgb(128, 237, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 237, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 237, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 237, 73);  
box-shadow:4px 4px 4px 4px rgb(128, 237,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3889, 65.6386, 16.8441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 237, 73) }
```

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

```
.background{ background-color: rgb(128,  
237, 73) }
```

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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