

Converting Colors

XYZ(39.9405, 60.1639, 14.7243)

Have a look what the booklet for
XYZ(39.9405, 60.1639, 14.7243)
contains.

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Color

**XYZ(39.8518, 60.0006,
14.6351)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 94E042 |
| RGB | 148, 224, 66 |
| RGB Percent | 58%, 88%, 26% |
| CMY | 0.4196, 0.1215, 0.7412 |
| CMYK | 0.34, 0.00, 0.71, 0.12 |
| HSL | 89°, 72%, 57% |
| HSV | 89°, 71%, 88% |
| XYZ | 39.8518, 60.0006, 14.6351 |
| YIQ | 183.2640, 5.4220, -65.2500 |

Conversions

Conversions Part 2

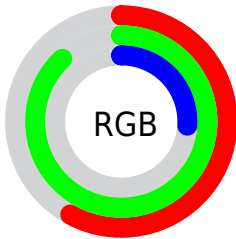
| Format | Color |
|-------------------------------------|--|
| RYB | 66, 224, 142 |
| Decimal | 9756738 |
| CIELab | 81.84, -47.49, 66.24 |
| CIELCh | 82, 81.501, 125.637 |
| Yxy | 60.0006, 0.3481, 0.5241 |
| Android (android.graphics.Color) | 4287946818 (0xFF94E042) |
| YUV | 183.2640, -57.8112, -30.9265 |
| Hunter-Lab | 77.4601, -43.7201, 43.0199 |

Details

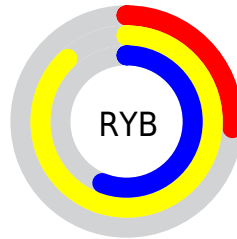
The XYZ color **39.8518, 60.0006, 14.6351** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **26.5609, 15.0309, 72.0258**, and the grayscale version is **45.4619, 47.8295, 52.0863**.

A 20% lighter version of the original color is **64.7887, 86.0719, 31.9377**, and **18.2191, 30.1789, 4.8649** is the 20% darker color. If you saturate the color by 10%, you get **37.4575, 58.8301, 11.7253**, and if you desaturate by 10%, it is **42.6889, 61.3732, 18.9172**.

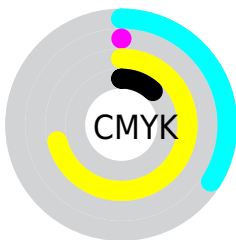
Distribution



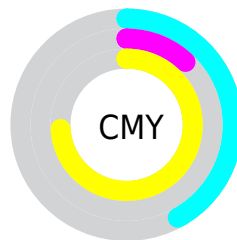
- Red (58%)
- Green (88%)
- Blue (26%)



- Red (26%)
- Yellow (88%)
- Blue (56%)



- Cyan (34%)
- Magenta (0%)
- Yellow (71%)
- Black (12%)



- Cyan (42%)
- Magenta (12%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8518, 60.0006, 14.6351 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 39.8518, 60.0006, 14.6351 by changing the saturation by 10% instead.

■ 39.8518, 60.0006,
14.6351

■ 39.8518, 60.0006,
14.6351

336.6437,
424.6000, 232.7110

■ 27.6067, 43.4191,
8.4199

■ 74.2236, 104.8305,
34.9450

■ 18.1683, 30.2141,
4.2732

■ 97.0809, 133.8478,
49.8767

■ 11.1713, 20.0012,
1.7764

■ 124.2065,
167.7791, 68.5511

■ 6.2503, 12.3959,
0.4123

■ 155.9655,
207.0088, 91.3866

■ 3.0400, 7.0139,
0.0000

■ 192.7234,
251.9214, 118.8018

■ 1.1749, 3.4708,
0.0000

234.8455,

■ 0.0865, 1.3822,

302.9011, 151.2153

0.0000

282.6971,
360.3326, 189.0455

■ 0.0000, 0.2035,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8518, 60.0006,
14.6351

■ 39.8518, 60.0006,
14.6351

■ 37.4575, 58.8301,
11.7253

■ 42.6889, 61.3732,
18.9172


■ 35.4647, 57.8386,
10.0142


■ 45.9963, 62.9535,
24.7101

■ 33.8925, 57.0440,
9.2243


■ 49.8035, 64.7557,
32.1395


■ 54.1362, 66.7906,
41.3171

 59.0178, 69.0682,
52.3446

 64.4704, 71.5976,
65.3159

 70.5144, 74.3876,
80.3188

 77.1695, 77.4465,
97.4353

 82.3565, 79.9430,
105.6976

Harmonies

Analogous

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



53.8422, 60.0006, 9.1429



39.8518, 60.0006, 14.6351



31.9004, 60.0006, 33.5363

Triad

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



39.8518, 60.0006, 14.6351



44.4478, 60.0006, 195.1270



96.6670, 60.0006, 56.4634

Complementary

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



39.8518, 60.0006, 14.6351



26.5609, 15.0309, 72.0258

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.



92.7624, 60.0006, 112.6953



39.8518, 60.0006, 14.6351



60.3386, 60.0006, 212.1372

Square

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



39.8518, 60.0006, 14.6351



34.1565, 60.0006, 137.4925



78.5443, 60.0006, 176.4647



88.3424, 60.0006, 24.2316

Rectangle

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



39.8518, 60.0006, 14.6351



30.0054, 60.0006, 58.3884



78.5443, 60.0006, 176.4647



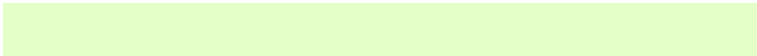
96.7582, 60.0006, 72.8020

Sweetspot

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



39.8532, 60.0032, 14.6364



78.7454, 92.4558, 69.2317



41.0654, 34.9213, 9.7312



16.4515, 19.6015, 13.8924



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.



39.8532, 60.0032, 14.6364



48.8269, 78.2154, 14.3786



30.2590, 55.0572, 14.1874



14.2040, 15.6853, 14.5857



19.8605, 33.2710, 5.3752



1.4799, 2.3594, 0.3774

Inverse Universe

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



26.5609, 15.0309, 72.0258



29.9953, 14.4189, 95.8099



44.5385, 24.2986, 72.8671



13.5763, 13.5651, 17.2905



11.5452, 5.0471, 41.4140



0.9033, 0.4029, 2.8754

Previews

White Background



This preview shows how the XYZ color 39.8518, 60.0006, 14.6351 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 39.8518, 60.0006, 14.6351 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

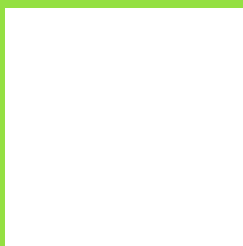
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8518, 60.0006, 14.6351

Background



This preview shows how black text looks on a background with the XYZ color 39.8518, 60.0006, 14.6351.



This preview shows how white text looks on a background with the XYZ color 39.8518, 60.0006,

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

39.8518, 60.0006, 14.6351

Protanopia

53.8501, 59.3690, 12.8961

Deuteranopia

60.3697, 58.9448, 15.4034



Tritanopia

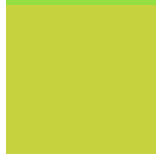
53.1055, 59.6380, 80.6638

Trichromacy



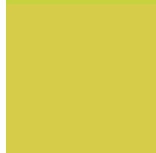
Original Color

39.8518, 60.0006, 14.6351



Protanomaly

47.4525, 58.9421, 13.4334



Deuteranomaly

50.5605, 57.9763, 15.0043



Tritanomaly

46.0147, 58.6017, 45.9318

Monochromacy



Original Color

39.8518, 60.0006, 14.6351



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.5053, 50.8277, 32.4341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8518, 60.0006, 14.6351 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(148, 224, 66)` looks like.

```
.text, #text, p{  
    color:rgb(148, 224, 66)  
}
```

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(148, 224, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 224, 66) }
```

Border

The CSS property to change the border of an element to XYZ 39.8518, 60.0006, 14.6351 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(148, 224, 66) }
```


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

```
.border{ border-color:rgb(148, 224, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 224, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 224, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 224, 66);  
box-shadow:4px 4px 4px 4px rgb(148, 224,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8518, 60.0006, 14.6351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 224, 66) }
```

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

```
.background{ background-color: rgb(148,  
224, 66) }
```

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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