

Converting Colors

XYZ(39.7827, 73.4523, 18.5006)

Have a look what the booklet for
XYZ(39.7827, 73.4523, 18.5006)
contains.

XYZ(39.8201, 73.4703, 18.5610)	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(39.8201, 73.4703,
18.5610)**

Conversions

Conversions Part 1

Format	Color
Hex	4AFF4A
RGB	74, 255, 74
RGB Percent	29%, 100%, 29%
CMY	0.7098, 0.0000, 0.7098
CMYK	0.71, 0.00, 0.71, 0.00
HSL	120°, 100%, 65%
HSV	120°, 71%, 100%
XYZ	39.8201, 73.4703, 18.5610
YIQ	180.2470, -49.7750, -94.6630

Conversions

Conversions Part 2

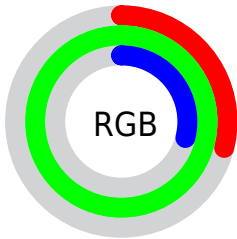
Format	Color
RYB	74, 255, 255
Decimal	4915018
CIELab	88.67, -77.04, 69.57
CIELCh	89, 103.805, 137.915
Yxy	73.4703, 0.3020, 0.5572
Android (android.graphics.Color)	4283105098 (0xFF4AFF4A)
YUV	180.2470, -52.3798, -93.1786
Hunter-Lab	85.7148, -67.0761, 47.1615

Details

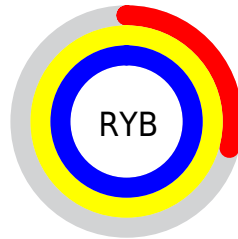
The XYZ color **39.8201, 73.4703, 18.5610** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61.7379, 33.3773, 97.7915**, and the grayscale version is **43.8075, 46.0889, 50.1908**.

A 20% lighter version of the original color is **51.7789, 79.2969, 34.4066**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.5467, 72.3782, 14.8430**, and if you desaturate by 10%, it is **43.2369, 75.1115, 24.1507**.

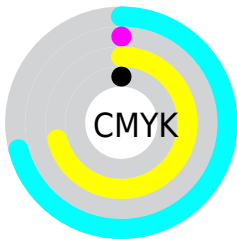
Distribution



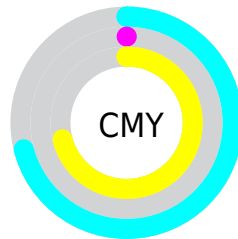
- Red (29%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (100%)



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





- Cyan (71%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8201, 73.4703, 18.5610 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 39.8201, 73.4703, 18.5610 by changing the saturation by 10% instead.


 39.8201, 73.4703,
18.5610


 39.8201, 73.4703,
18.5610


336.5122,
472.6432, 256.3558


 27.5819, 54.3606,
11.1799


 74.1756, 124.1446,
41.8177


 18.1496, 38.8900,
6.0723


 97.0236, 156.4781,
58.5305


 11.1578, 26.6742,
2.8196


 124.1388,
193.9882, 79.1908

 6.2411, 17.3287,
1.0033

 155.8868,
237.0594, 104.2173

 3.0343, 10.4691,
0.0000

 192.6327,
286.0761, 134.0285

 1.1719, 5.7111,
0.0000

234.7420,

 0.0840, 2.6702,

341.4227, 169.0430

0.0000

282.5801,
403.4836, 209.6793

0.0000, 0.9621,
0.0000

0.0000, 0.0000,
0.0000

39.8201, 73.4703,
18.5610

39.8201, 73.4703,
18.5610

37.5467, 72.3782,
14.8430

43.2369, 75.1115,
24.1507


36.2681, 71.7641,
12.7514


47.9195, 77.3608,
31.8102


35.7600, 71.5200,
11.9202


53.9757, 80.2699,
41.7162

61.5015, 83.8849,
54.0259

 70.5841, 88.2478,
68.8821

 81.3041, 93.3972,
86.4165

 93.7367, 99.3691,
106.7518

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



56.0294, 73.4703, 7.4213



39.8201, 73.4703, 18.5610



32.5079, 73.4703, 54.4362

Triad

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



39.8201, 73.4703, 18.5610



60.2182, 73.4703, 305.1332



126.4677, 73.4703, 44.6045

Complementary

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



39.8201, 73.4703, 18.5610



61.7379, 33.3773, 97.7915

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.



128.3621, 73.4703, 112.5180



39.8201, 73.4703, 18.5610



85.7319, 73.4703, 296.3484

Square

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



39.8201, 73.4703, 18.5610



42.2516, 73.4703, 232.3999



112.0588, 73.4703, 212.7686



107.3745, 73.4703, 15.0593

Rectangle

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



39.8201, 73.4703, 18.5610



32.1435, 73.4703, 100.5504



112.0588, 73.4703, 212.7686



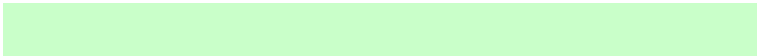
129.2783, 73.4703, 62.4541

Sweetspot

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



39.8203, 73.4704, 18.5622



70.5644, 88.2383, 68.8499



78.2361, 93.2744, 20.3590



14.5328, 18.6124, 13.8029



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.



39.8203, 73.4704, 18.5622



36.9226, 72.0784, 13.8220



45.3302, 75.6743, 47.5768



17.7717, 20.1682, 19.1006



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



61.7379, 33.3773, 97.7915



59.9900, 29.8818, 97.2080



50.4350, 28.8561, 38.2709



18.7927, 18.3004, 22.7917



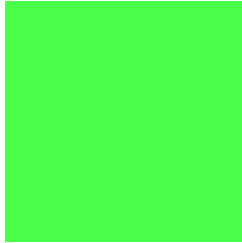
30.9796, 14.8811, 50.6707



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 39.8201, 73.4703, 18.5610 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 39.8201, 73.4703, 18.5610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

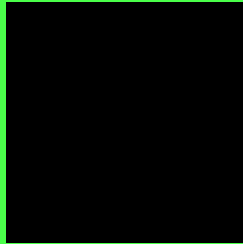
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8201, 73.4703, 18.5610

Background



This preview shows how black text looks on a background with the XYZ color 39.8201, 73.4703, 18.5610.



This preview shows how white text looks on a background with the XYZ color 39.8201, 73.4703,

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

39.8201, 73.4703, 18.5610

Protanopia

65.1684, 71.8687, 15.4383

Deuteranopia

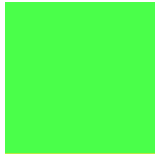
71.2873, 71.7534, 41.5450



Tritanopia

58.1657, 72.8567, 105.6048

Trichromacy



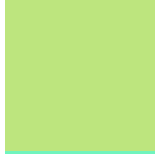
Original Color

39.8201, 73.4703, 18.5610



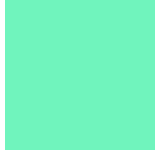
Protanomaly

49.9495, 68.8855, 16.1325



Deuteranomaly

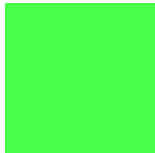
52.7715, 68.3638, 30.1528



Tritanomaly

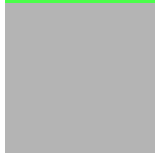
48.2181, 71.8202, 59.4654

Monochromacy



Original Color

39.8201, 73.4703, 18.5610



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.1050, 52.2115, 33.2688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8201, 73.4703, 18.5610 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(74, 255, 74)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 74)  
}
```

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(74, 255, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 74) }
```

Border

The CSS property to change the border of an element to XYZ 39.8201, 73.4703, 18.5610 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(74, 255, 74) }
```


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

```
.border{ border-color:rgb(74, 255, 74) }
```

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

Here you see how a box with a 4 pixel rgb(74, 255, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 74);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8201, 73.4703, 18.5610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 74) }
```

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

```
.background{ background-color: rgb(74, 255,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor