

Converting Colors

XYZ(39.8144, 73.6018, 12.4874)

Have a look what the booklet for
XYZ(39.8144, 73.6018, 12.4874)
contains.

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Color

**XYZ(39.8571, 73.6238,
12.4909)**

Conversions

Conversions Part 1

Format	Color
Hex	58FF0D
RGB	88, 255, 13
RGB Percent	35%, 100%, 5%
CMY	0.6549, 0.0000, 0.9489
CMYK	0.65, 0.00, 0.95, 0.00
HSL	101°, 100%, 53%
HSV	101°, 95%, 100%
XYZ	39.8571, 73.6238, 12.4909
YIQ	177.4790, -21.8500, -110.6660

Conversions

Conversions Part 2

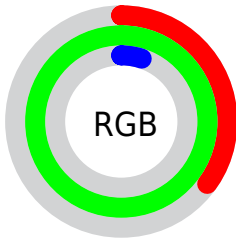
Format	Color
RYB	13, 255, 180
Decimal	5832461
CIELab	88.74, -77.24, 83.41
CIELCh	89, 113.681, 132.798
Yxy	73.6238, 0.3164, 0.5844
Android (android.graphics.Color)	4284022541 (0xFF58FF0D)
YUV	177.4790, -81.0881, -78.4731
Hunter-Lab	85.8043, -67.2422, 51.4319

Details

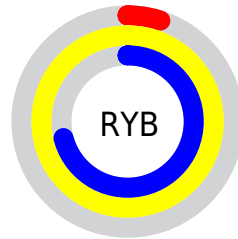
The XYZ color **39.8571, 73.6238, 12.4909** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **37.0248, 17.2162, 95.9794**, and the grayscale version is **42.4664, 44.6779, 48.6543**.

A 20% lighter version of the original color is **51.7759, 79.5326, 23.6888**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.9847, 73.1824, 12.0709**, and if you desaturate by 10%, it is **42.0148, 74.7030, 14.0839**.

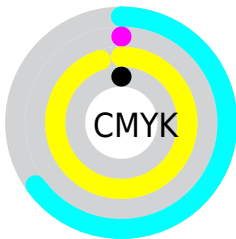
Distribution



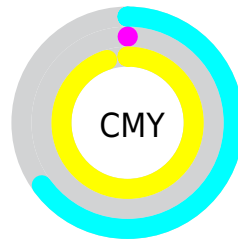
- Red (35%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (71%)



- Cyan (65%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8571, 73.6238, 12.4909 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 39.8571, 73.6238, 12.4909 by changing the saturation by 10% instead.


 39.8571, 73.6238,
12.4909


 39.8571, 73.6238,
12.4909


336.6657,
473.1740, 218.7206


 27.6109, 54.4862,
6.9523


 74.2316, 124.3624,
31.0637

 18.1715, 38.9905,
3.3543


 97.0905, 156.7321,
44.9351


 11.1736, 26.7523,
1.2783


 124.2178,
194.2814, 62.4212

 6.2519, 17.3873,
0.0439

 155.9787,
237.3945, 83.9404

 3.0409, 10.5110,
0.0000

 192.7385,
286.4560, 109.9115

 1.1755, 5.7391,
0.0000

 234.8627,

 0.0869, 2.6871,

341.8501, 140.7528

0.0000

282.7167,
403.9613, 176.8830

■ 0.0000, 0.9706,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8571, 73.6238,
12.4909

■ 39.8571, 73.6238,
12.4909

■ 38.9847, 73.1824,
12.0709

■ 42.0148, 74.7030,
14.0839

■ 44.8831, 76.1161,
17.1818

■ 48.5358, 77.8953,
22.0462

■ 53.0353, 80.0680,
28.8892

■ 58.4369, 82.6590,
37.8925

■ 64.7908, 85.6904,
49.2175

■ 72.1431, 89.1830,
63.0102

■ 80.5368, 93.1560,
79.4046

■ 90.0123, 97.6274,
98.5249

Harmonies

Analogous

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



58.9091, 73.6238, 4.6158



39.8571, 73.6238, 12.4909



30.6539, 73.6238, 43.2101

Triad

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



39.8571, 73.6238, 12.4909



55.4795, 73.6238, 329.1693



135.2163, 73.6238, 51.0885

Complementary

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



39.8571, 73.6238, 12.4909



37.0248, 17.2162, 95.9794

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.



133.5918, 73.6238, 133.7874



39.8571, 73.6238, 12.4909



82.3515, 73.6238, 336.9510

Square

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



39.8571, 73.6238, 12.4909



37.9158, 73.6238, 233.2775



112.3850, 73.6238, 250.4503



116.3705, 73.6238, 15.0276

Rectangle

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



39.8571, 73.6238, 12.4909



29.3455, 73.6238, 87.7828



112.3850, 73.6238, 250.4503



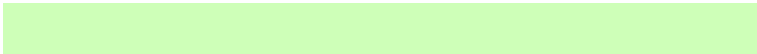
137.1651, 73.6238, 72.9990

Sweetspot

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



39.8572, 73.6238, 12.4920



69.7460, 88.0458, 58.4464



57.3084, 53.2803, 7.6455



14.2521, 18.5241, 11.2427



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.



39.8572, 73.6238, 12.4920



38.9847, 73.1824, 12.0709



36.6749, 71.9052, 15.8688



18.3009, 20.4410, 19.1253



20.5040, 38.3083, 6.3136



2.1028, 3.7848, 0.6197

Inverse Universe

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



37.0248, 17.2162, 95.9794



35.9537, 16.4497, 95.8879



53.0971, 26.2338, 63.6564



18.2130, 18.0015, 22.7647



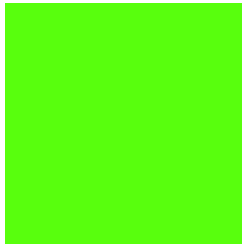
18.9468, 8.6779, 50.1110



1.9570, 0.9028, 4.8844

Previews

White Background



This preview shows how the XYZ color 39.8571, 73.6238, 12.4909 looks on a white background.

Color Contrast Check

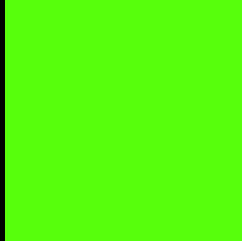
Large Text (above 18pt) WCAG AA × Fail

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 39.8571, 73.6238, 12.4909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

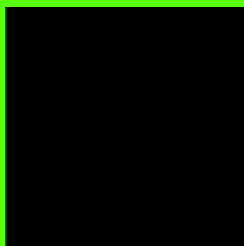
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8571, 73.6238, 12.4909

Background



This preview shows how black text looks on a background with the XYZ color 39.8571, 73.6238, 12.4909.



This preview shows how white text looks on a background with the XYZ color 39.8571, 73.6238,

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

39.8571, 73.6238, 12.4909

Protanopia

64.9234, 71.8526, 10.4471

Deuteranopia

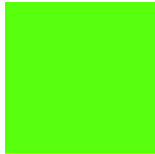
71.2030, 71.7197, 41.1008



Tritanopia

58.6929, 72.6999, 105.5468

Trichromacy



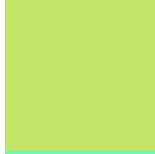
Original Color

39.8571, 73.6238, 12.4909



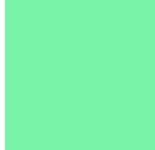
Protanomaly

50.4015, 69.2359, 10.8510



Deuteranomaly

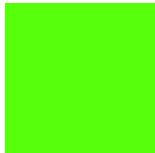
52.7156, 68.4872, 23.2729



Tritanomaly

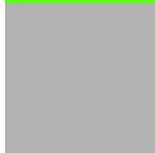
46.7714, 70.8843, 47.7761

Monochromacy



Original Color

39.8571, 73.6238, 12.4909



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

36.7193, 50.9667, 24.7319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8571, 73.6238, 12.4909 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(88, 255, 13)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 13)  
}
```

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(88, 255, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 13) }
```

Border

The CSS property to change the border of an element to XYZ 39.8571, 73.6238, 12.4909 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(88, 255, 13) }
```


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

```
.border{ border-color:rgb(88, 255, 13) }
```

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

Here you see how a box with a 4 pixel rgb(88, 255, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8571, 73.6238, 12.4909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 13) }
```

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

```
.background{ background-color: rgb(88, 255,  
13) }
```

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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