

Converting Colors

XYZ(39.5665, 73.4823, 12.0981)

Have a look what the booklet for
XYZ(39.5665, 73.4823, 12.0981)
contains.

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Color

**XYZ(39.5978, 73.4984,
12.0996)**

Conversions

Conversions Part 1

Format	Color
Hex	56FF00
RGB	86, 255, 0
RGB Percent	34%, 100%, 0%
CMY	0.6627, 0.0000, 0.9998
CMYK	0.66, 0.00, 1.00, 0.00
HSL	100°, 100%, 50%
HSV	100°, 100%, 100%
XYZ	39.5978, 73.4984, 12.0996
YIQ	175.3990, -18.8690, -115.1330

Conversions

Conversions Part 2

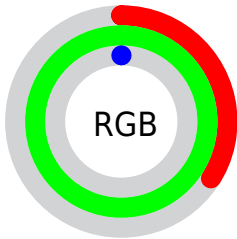
Format	Color
RYB	0, 255, 169
Decimal	5701376
CIELab	88.68, -77.79, 84.34
CIElCh	89, 114.737, 132.689
Yxy	73.4984, 0.3163, 0.5871
Android (android.graphics.Color)	4283891456 (0xFF56FF00)
YUV	175.3990, -86.4717, -78.4029
Hunter-Lab	85.7312, -67.5835, 51.6440

Details

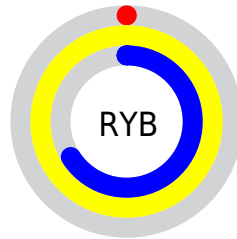
The XYZ color **39.5978, 73.4984, 12.0996** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **34.4210, 15.6602, 95.8163**, and the grayscale version is **41.3991, 43.5551, 47.4315**.

A 20% lighter version of the original color is **51.4461, 79.3782, 22.9660**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.5954, 73.4972, 12.0995**, and if you desaturate by 10%, it is **41.5238, 74.4704, 13.1362**.

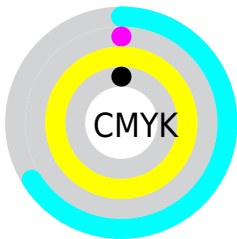
Distribution



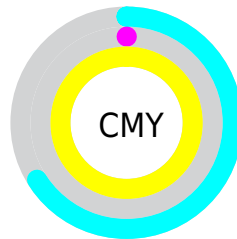
- Red (34%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (66%)



- Cyan (66%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5978, 73.4984, 12.0996 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 39.5978, 73.4984, 12.0996 by changing the saturation by 10% instead.


 39.5978, 73.4984,
12.0996


 39.5978, 73.4984,
12.0996


335.5890,
472.7404, 216.0648

 27.4079, 54.3836,
6.6882


 73.8389, 124.1845,
30.3435

 18.0180, 38.9084,
3.1924


 96.6208, 156.5246,
44.0130


 11.0627, 26.6885,
1.1937


 123.6642,
194.0419, 61.2724

 6.1766, 17.3394,
0.0000

 155.3342,
237.1208, 82.5400

 2.9944, 10.4768,
0.0000

 191.9964,
286.1457, 108.2346

 1.1508, 5.7162,
0.0000

 234.0160,

 0.0670, 2.6733,

341.5010, 138.7745

0.0000

281.7584,
403.5711, 174.5784

■ 0.0000, 0.9636,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.5978, 73.4984,
12.0996

■ 39.5978, 73.4984,
12.0996

■ 39.5954, 73.4972,
12.0995

■ 41.5238, 74.4704,
13.1362

■ 44.0772, 75.7386,
15.4324

■ 47.3521, 77.3431,
19.3692

■ 51.4127, 79.3120,
25.1797

■ 56.3148, 81.6698,
33.0593

■ 62.1085, 84.4386,
43.1789

■ 68.8394, 87.6385,
55.6918

■ 76.5500, 91.2884,
70.7374

■ 85.2798, 95.4059,
88.4448

Harmonies

Analogous

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



58.7942, 73.4984, 4.3854



39.5978, 73.4984, 12.0996



30.3332, 73.4984, 42.6625

Triad

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



39.5978, 73.4984, 12.0996



55.1705, 73.4984, 332.0500



135.8096, 73.4984, 50.9669

Complementary

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



39.5978, 73.4984, 12.0996



34.4210, 15.6602, 95.8163

Split Complementary

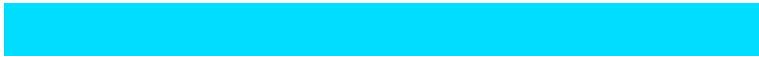
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



134.0842, 73.4984, 134.5727



39.5978, 73.4984, 12.0996



82.2294, 73.4984, 340.3446

Square

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



39.5978, 73.4984, 12.0996



37.5525, 73.4984, 234.5128



112.5767, 73.4984, 252.7923



116.8061, 73.4984, 14.7418

Rectangle

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



39.5978, 73.4984, 12.0996



29.0026, 73.4984, 87.4024



112.5767, 73.4984, 252.7923



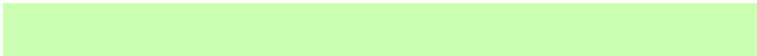
137.7547, 73.4984, 73.0792

Sweetspot

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



39.5980, 73.4985, 12.1007



68.8282, 87.6332, 55.6704



54.8335, 48.4467, 6.4623



14.0997, 18.4569, 10.7225



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.



39.5980, 73.4985, 12.1007



39.5954, 73.4972, 12.0995



36.1149, 71.6620, 13.7865



18.3487, 20.4657, 19.1275



20.8311, 38.4769, 6.3289



2.1392, 3.8035, 0.6214

Inverse Universe

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



34.4210, 15.6602, 95.8163



34.4177, 15.6579, 95.8160



53.7331, 26.2579, 67.7156



18.1629, 17.9757, 22.7623



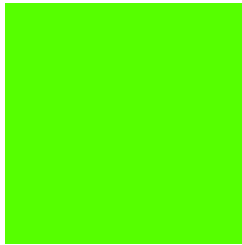
18.1496, 8.2669, 50.0737



1.8837, 0.8650, 4.8810

Previews

White Background



This preview shows how the XYZ color 39.5978, 73.4984, 12.0996 looks on a white background.

Color Contrast Check

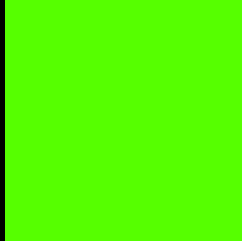
Large Text (above 18pt) WCAG AA × Fail

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 39.5978, 73.4984, 12.0996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

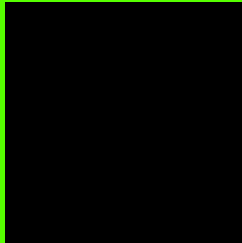
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5978, 73.4984, 12.0996

Background



This preview shows how black text looks on a background with the XYZ color 39.5978, 73.4984, 12.0996.



This preview shows how white text looks on a background with the XYZ color 39.5978, 73.4984,

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

39.5978, 73.4984, 12.0996

Protanopia

64.9234, 71.8526, 10.4471

Deuteranopia

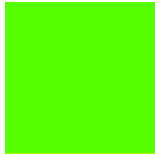
71.1193, 71.6862, 40.6603



Tritanopia

58.5267, 72.6142, 105.5390

Trichromacy



Original Color

39.5978, 73.4984, 12.0996



Protanomaly

50.3741, 69.2250, 10.7068



Deuteranomaly

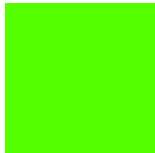
52.4721, 68.3898, 21.9903



Tritanomaly

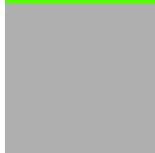
46.1799, 70.6318, 45.3818

Monochromacy



Original Color

39.5978, 73.4984, 12.0996



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.7898, 50.1731, 22.8370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5978, 73.4984, 12.0996 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(86, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(86, 255, 0)  
}
```

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(86, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.5978, 73.4984, 12.0996 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(86, 255, 0) }
```


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

```
.border{ border-color:rgb(86, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(86, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(86, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.5978, 73.4984, 12.0996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 255, 0) }
```

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

```
.background{ background-color: rgb(86, 255,  
0) }
```

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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