

Converting Colors

XYZ(39.8386, 73.6212, 12.1732)

Have a look what the booklet for
XYZ(39.8386, 73.6212, 12.1732)
contains.

XYZ(39.7955, 73.5991, 12.1660)	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(39.7955, 73.5991,
12.1660)**

Conversions

Conversions Part 1

Format	Color
Hex	58FF02
RGB	88, 255, 2
RGB Percent	35%, 100%, 1%
CMY	0.6549, 0.0000, 0.9920
CMYK	0.65, 0.00, 0.99, 0.00
HSL	100°, 100%, 50%
HSV	100°, 99%, 100%
XYZ	39.7955, 73.5991, 12.1660
YIQ	176.2250, -18.3190, -114.0870

Conversions

Conversions Part 2

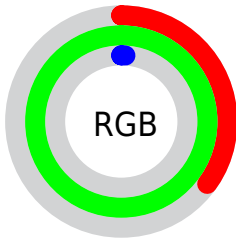
Format	Color
RYB	2, 255, 169
Decimal	5832450
CIELab	88.73, -77.38, 84.24
CIELCh	89, 114.388, 132.568
Yxy	73.5991, 0.3169, 0.5862
Android (android.graphics.Color)	4284022530 (0xFF58FF02)
YUV	176.2250, -85.8929, -77.3733
Hunter-Lab	85.7899, -67.3313, 51.6449

Details

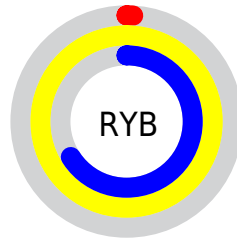
The XYZ color **39.7955, 73.5991, 12.1660** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **34.4424, 15.7034, 95.8235**, and the grayscale version is **41.8284, 44.0067, 47.9233**.

A 20% lighter version of the original color is **51.6404, 79.4784, 22.9751**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.6583, 73.5297, 12.1024**, and if you desaturate by 10%, it is **41.7704, 74.5949, 13.2666**.

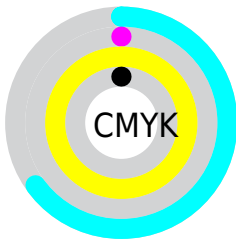
Distribution



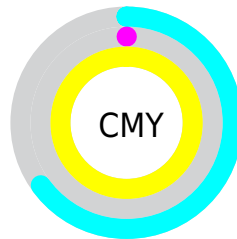
- Red (35%)
- Green (100%)
- Blue (1%)



- Red (1%)
- Yellow (100%)
- Blue (66%)



- Cyan (65%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)




- Cyan (65%)
- Magenta (0%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7955, 73.5991, 12.1660 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 39.7955, 73.5991, 12.1660 by changing the saturation by 10% instead.


 39.7955, 73.5991,
12.1660


 39.7955, 73.5991,
12.1660


336.4101,
473.0886, 216.5179

 27.5626, 54.4660,
6.7329


 74.1383, 124.3273,
30.4660

 18.1350, 38.9743,
3.2197


 96.9790, 156.6912,
44.1700


 11.1472, 26.7398,
1.2079


 124.0863,
194.2342, 61.4680

 6.2340, 17.3779,
0.0000

 155.8257,
237.3406, 82.7787

 3.0299, 10.5043,
0.0000

 192.5623,
286.3949, 108.5204

 1.1696, 5.7346,
0.0000

 234.6617,

 0.0821, 2.6844,

341.7813, 139.1119

0.0000

282.4892,
403.8844, 174.9715

■ 0.0000, 0.9693,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.7955, 73.5991,
12.1660

■ 39.7955, 73.5991,
12.1660

■ 39.6583, 73.5297,
12.1024

■ 41.7704, 74.5949,
13.2666

■ 44.3828, 75.8909,
15.6819

■ 47.7193, 77.5242,
19.7578

■ 51.8432, 79.5223,
25.7237

■ 56.8095, 81.9095,
33.7728

■ 62.6677, 84.7076,
44.0743

■ 69.4628, 87.9364,
56.7802

■ 77.2370, 91.6147,
72.0292

■ 86.0292, 95.7597,
89.9495

Harmonies

Analogous

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



59.0091, 73.5991, 4.4569



39.7955, 73.5991, 12.1660



30.4963, 73.5991, 42.6239

Triad

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



39.7955, 73.5991, 12.1660



55.2020, 73.5991, 330.9414



135.7504, 73.5991, 51.3566

Complementary

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



39.7955, 73.5991, 12.1660



34.4424, 15.7034, 95.8235

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.



133.9411, 73.5991, 134.9661



39.7955, 73.5991, 12.1660



82.1743, 73.5991, 339.6274

Square

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



39.7955, 73.5991, 12.1660



37.6444, 73.5991, 233.6094



112.4436, 73.5991, 252.7614



116.8799, 73.5991, 14.9568

Rectangle

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



39.7955, 73.5991, 12.1660



29.1434, 73.5991, 87.1554



112.4436, 73.5991, 252.7614



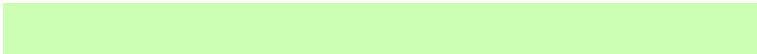
137.6585, 73.5991, 73.5057

Sweetspot

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



39.7957, 73.5992, 12.1671



68.8843, 87.6621, 55.6731



54.9718, 48.7056, 6.5623



14.1128, 18.4636, 10.7231



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.



39.7957, 73.5992, 12.1671



39.6583, 73.5297, 12.1024



36.1682, 71.6862, 13.9365



18.3534, 20.4681, 19.1277



20.8648, 38.4943, 6.3305



2.1428, 3.8054, 0.6216

Inverse Universe

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



34.4424, 15.7034, 95.8235



34.2720, 15.5828, 95.8092



53.7938, 26.3169, 67.9280



18.1580, 17.9732, 22.7621



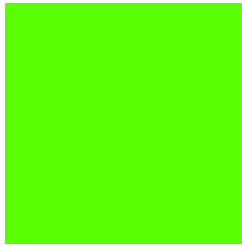
18.0739, 8.2279, 50.0701



1.8767, 0.8614, 4.8806

Previews

White Background



This preview shows how the XYZ color 39.7955, 73.5991, 12.1660 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 39.7955, 73.5991, 12.1660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

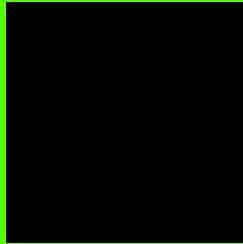
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7955, 73.5991, 12.1660

Background



This preview shows how black text looks on a background with the XYZ color 39.7955, 73.5991, 12.1660.



This preview shows how white text looks on a background with the XYZ color 39.7955, 73.5991,

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

39.7955, 73.5991, 12.1660

Protanopia

64.9234, 71.8526, 10.4471

Deuteranopia

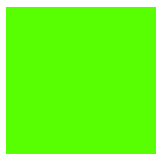
71.1193, 71.6862, 40.6603



Tritanopia

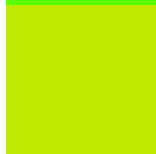
58.6929, 72.6999, 105.5468

Trichromacy



Original Color

39.7955, 73.5991, 12.1660



Protanomaly

50.3796, 69.2272, 10.7356



Deuteranomaly

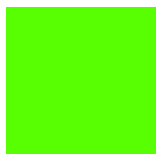
52.5196, 68.4088, 22.2405



Tritanomaly

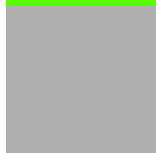
46.4072, 70.7386, 45.8583

Monochromacy



Original Color

39.7955, 73.5991, 12.1660



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.3136, 50.7842, 23.5112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7955, 73.5991, 12.1660 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 39.7955, 73.5991, 12.1660 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, 2) }
```


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

```
.border{ border-color:rgb(88, 255, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 2);  
box-shadow:4px 4px 4px 4px rgb(88, 255, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.7955, 73.5991, 12.1660 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, 2) }
```

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

```
.background{ background-color: rgb(88, 255,  
2) }
```

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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