

Converting Colors

XYZ(35.8796, 71.5679, 12.5501)

Have a look what the booklet for
XYZ(35.8796, 71.5679, 12.5501)
contains.

XYZ(35.8775, 71.5670, 12.5390)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**XYZ(35.8775, 71.5670,
12.5390)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF13
RGB	0, 255, 19
RGB Percent	0%, 100%, 7%
CMY	1.0000, 0.0000, 0.9254
CMYK	1.00, 0.00, 0.93, 0.00
HSL	124°, 100%, 50%
HSV	124°, 100%, 100%
XYZ	35.8775, 71.5670, 12.5390
YIQ	151.8510, -76.2240, -127.4560

Conversions

Conversions Part 2

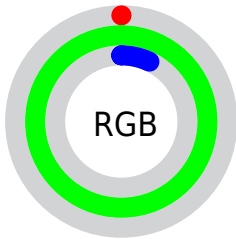
Format	Color
RYB	0, 237, 255
Decimal	65299
CIELab	87.76, -85.89, 81.59
CIELCh	88, 118.465, 136.469
Yxy	71.5670, 0.2990, 0.5965
Android (android.graphics.Color)	4278255379 (0xFF00FF13)
YUV	151.8510, -65.4955, -133.1733
Hunter-Lab	84.5973, -72.3438, 50.4301

Details

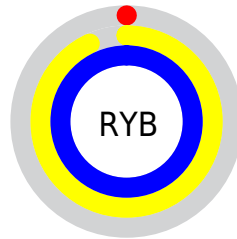
The XYZ color **35.8775, 71.5670, 12.5390** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **56.3766, 27.3146, 81.6381**, and the grayscale version is **30.0794, 31.6458, 34.4623**.

A 20% lighter version of the original color is **45.6634, 76.3761, 23.6446**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8778, 71.5671, 12.5401**, and if you desaturate by 10%, it is **36.6025, 71.9048, 14.1993**.

Distribution



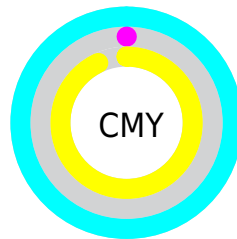
- Red (0%)
- Green (100%)
- Blue (7%)



- Red (0%)
- Yellow (93%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8775, 71.5670, 12.5390 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 35.8775, 71.5670, 12.5390 by changing the saturation by 10% instead.


 35.8775, 71.5670,
12.5390


 35.8775, 71.5670,
12.5390


319.8654,
466.0331, 219.0447


 24.5093, 52.8050,
6.9849


 68.1681, 121.4407,
31.1520

 15.8386, 37.6472,
3.3744


 89.8211, 153.3213,
45.0480


 9.5001, 25.7090,
1.2888


 115.6331,
190.3435, 62.5617

 5.1285, 16.6060,
0.0526

 145.9695,
232.8917, 84.1116

 2.3584, 9.9540,
0.0000

 181.1955,
281.3504, 110.1164

 0.8243, 5.3685,
0.0000

 221.6766,

 0.0000, 2.4650,

336.1039, 140.9944

0.0000

267.7781,
397.5367, 177.1644

■ 0.0000, 0.8591,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8775, 71.5670,
12.5390

■ 35.8775, 71.5670,
12.5390

■ 35.8778, 71.5671,
12.5401

■ 36.6025, 71.9048,
14.1993

■ 38.1151, 72.6198,
17.1966

■ 40.6181, 73.8122,
21.7387

■ 44.2436, 75.5464,
27.9957

■ 49.1033, 77.8770,
36.1155

■ 55.2956, 80.8518,
46.2299

■ 62.9086, 84.5136,
58.4588

■ 72.0230, 88.9019,
72.9127

■ 82.7136, 94.0527,
89.6943

Harmonies

Analogous

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



53.8201, 71.5670, 3.7883



35.8775, 71.5670, 12.5390



27.8414, 71.5670, 47.0268

Triad

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



35.8775, 71.5670, 12.5390



56.1431, 71.5670, 346.1272



134.1395, 71.5670, 41.7607

Complementary

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



35.8775, 71.5670, 12.5390



56.3766, 27.3146, 81.6381

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.



135.2709, 71.5670, 120.0449



35.8775, 71.5670, 12.5390



84.5259, 71.5670, 340.6050

Square

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



35.8775, 71.5670, 12.5390



37.1723, 71.5670, 252.6645



115.2187, 71.5670, 240.5660



112.4560, 71.5670, 10.9506

Rectangle

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



35.8775, 71.5670, 12.5390



27.2090, 71.5670, 96.6997



115.2187, 71.5670, 240.5660



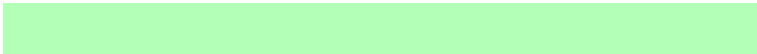
137.1073, 71.5670, 61.7515

Sweetspot

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



35.8778, 71.5671, 12.5401



62.9086, 84.5136, 58.4588



71.0199, 89.6971, 13.5701



12.7398, 17.7404, 11.3523



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.



35.8778, 71.5671, 12.5401



40.8324, 73.5489, 38.6306



17.8265, 20.1901, 19.3896



18.7665, 37.4032, 6.6556



1.8454, 3.6491, 0.7437

Inverse Universe

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



56.3766, 27.3146, 81.6381



44.0818, 22.3967, 16.8946



18.7307, 18.2756, 22.4651



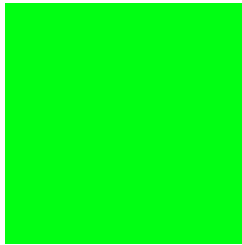
29.4827, 14.2824, 42.7877



2.8874, 1.3973, 4.2543

Previews

White Background



This preview shows how the XYZ color 35.8775, 71.5670, 12.5390 looks on a white background.

Color Contrast Check

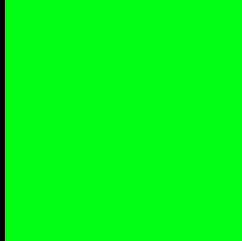
Large Text (above 18pt) WCAG AA × Fail

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 35.8775, 71.5670, 12.5390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

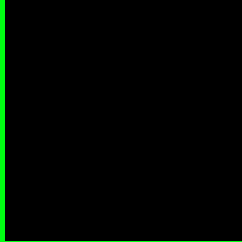
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

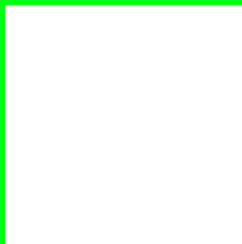
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8775, 71.5670, 12.5390

Background



This preview shows how black text looks on a background with the XYZ color 35.8775, 71.5670, 12.5390.



This preview shows how white text looks on a background with the XYZ color 35.8775, 71.5670,

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

35.8775, 71.5670, 12.5390

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

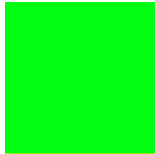
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8775, 71.5670, 12.5390



Protanomaly

42.5189, 64.3353, 10.3780



Deuteranomaly

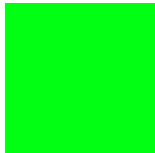
44.5740, 63.5014, 21.4630



Tritanomaly

41.8845, 68.3435, 48.5202

Monochromacy



Original Color

35.8775, 71.5670, 12.5390



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.6261, 39.9361, 19.4545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8775, 71.5670, 12.5390 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(0, 255, 19)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 19)  
}
```

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(0, 255, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 19) }
```

Border

The CSS property to change the border of an element to XYZ 35.8775, 71.5670, 12.5390 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(0, 255, 19) }
```

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

```
.border{ border-color:rgb(0, 255, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 19);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8775, 71.5670, 12.5390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 19) }
```

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

```
.background{ background-color: rgb(0, 255,  
19) }
```

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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