

Converting Colors

XYZ(35.8377, 71.5511, 12.3291)

Have a look what the booklet for
XYZ(35.8377, 71.5511, 12.3291)
contains.

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Color

**XYZ(35.8393, 71.5517,
12.3374)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF0E
RGB	0, 255, 14
RGB Percent	0%, 100%, 5%
CMY	1.0000, 0.0000, 0.9450
CMYK	1.00, 0.00, 0.94, 0.00
HSL	123°, 100%, 50%
HSV	123°, 100%, 100%
XYZ	35.8393, 71.5517, 12.3374
YIQ	151.2810, -74.6190, -129.0110

Conversions

Conversions Part 2

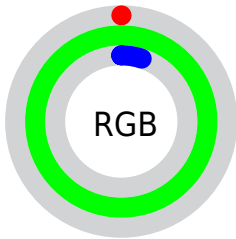
Format	Color
RYB	0, 242, 255
Decimal	65294
CIELab	87.75, -85.98, 82.10
CIELCh	88, 118.888, 136.322
Yxy	71.5517, 0.2993, 0.5976
Android (android.graphics.Color)	4278255374 (0xFF00FF0E)
YUV	151.2810, -67.6795, -132.6734
Hunter-Lab	84.5882, -72.4005, 50.5642

Details

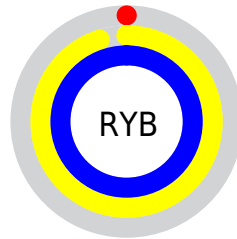
The XYZ color **35.8393, 71.5517, 12.3374** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **57.1132, 27.6093, 85.5167**, and the grayscale version is **29.8424, 31.3965, 34.1908**.

A 20% lighter version of the original color is **45.5713, 76.3393, 23.1596**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8395, 71.5518, 12.3384**, and if you desaturate by 10%, it is **36.5254, 71.8739, 13.7926**.

Distribution



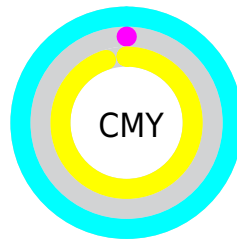
- Red (0%)
- Green (100%)
- Blue (5%)



- Red (0%)
- Yellow (95%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8393, 71.5517, 12.3374 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 35.8393, 71.5517, 12.3374 by changing the saturation by 10% instead.


 35.8393, 71.5517,
12.3374


 35.8393, 71.5517,
12.3374


319.7011,
465.9797, 217.6829


 24.4796, 52.7925,
6.8486


 68.1095, 121.4190,
30.7817

 15.8165, 37.6372,
3.2906


 89.7507, 153.2958,
44.5742


 9.4844, 25.7012,
1.2448

 115.5498,
190.3141, 61.9717

 5.1181, 16.6003,
0.0159

 145.8721,
232.8581, 83.3928

 2.3522, 9.9499,
0.0000

 181.0831,
281.3123, 109.2559

 0.8212, 5.3657,
0.0000

 221.5480,

 0.0000, 2.4634,

336.0610, 139.9796

0.0000

267.6322,
397.4887, 175.9824

■ 0.0000, 0.8582,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8393, 71.5517,
12.3374

■ 35.8393, 71.5517,
12.3374


■ 35.8395, 71.5518,
12.3384


■ 36.5254, 71.8739,
13.7926


■ 38.0012, 72.5742,
16.5954


■ 40.4735, 73.7544,
20.9754


■ 44.0774, 75.4800,
27.1182

 48.9270, 77.8066,
35.1836

 55.1224, 80.7826,
45.3134

 62.7534, 84.4517,
57.6363

 71.9023, 88.8537,
72.2704

 82.6450, 94.0254,
89.3253

Harmonies

Analogous

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



53.8749, 71.5517, 3.7012



35.8393, 71.5517, 12.3374



27.7482, 71.5517, 46.6475

Triad

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



35.8393, 71.5517, 12.3374



55.9720, 71.5517, 347.2815



134.4694, 71.5517, 41.8984

Complementary

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



35.8393, 71.5517, 12.3374



57.1132, 27.6093, 85.5167

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.



135.4928, 71.5517, 120.7121



35.8393, 71.5517, 12.3374



84.4183, 71.5517, 342.2793

Square

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



35.8393, 71.5517, 12.3374



37.0068, 71.5517, 252.9041



115.2605, 71.5517, 241.9506



112.7623, 71.5517, 10.9121

Rectangle

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



35.8393, 71.5517, 12.3374



27.0888, 71.5517, 96.2963



115.2605, 71.5517, 241.9506



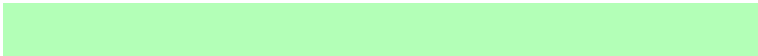
137.4148, 71.5517, 62.0230

Sweetspot

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



35.8395, 71.5518, 12.3385



62.7519, 84.4510, 57.6340



72.4639, 90.4416, 13.6378



12.7042, 17.7262, 11.1651



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.



35.8395, 71.5518, 12.3385



35.8395, 71.5518, 12.3384



40.5123, 73.4209, 36.9449



17.8121, 20.1844, 19.3133



18.7430, 37.3938, 6.5321



1.8385, 3.6463, 0.7076

Inverse Universe

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



57.1132, 27.6093, 85.5167



57.1131, 27.6092, 85.5165



44.3203, 22.4922, 18.1506



18.7470, 18.2821, 22.5507



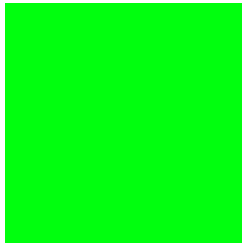
29.8615, 14.4339, 44.7828



2.9202, 1.4104, 4.4271

Previews

White Background



This preview shows how the XYZ color 35.8393, 71.5517, 12.3374 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 35.8393, 71.5517, 12.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

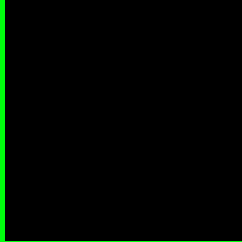
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

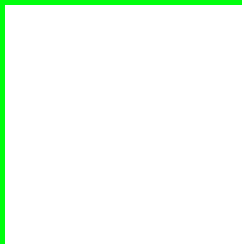
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8393, 71.5517, 12.3374

Background



This preview shows how black text looks on a background with the XYZ color 35.8393, 71.5517, 12.3374.



This preview shows how white text looks on a background with the XYZ color 35.8393, 71.5517,

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

35.8393, 71.5517, 12.3374

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

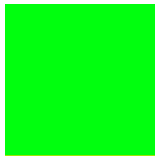
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8393, 71.5517, 12.3374



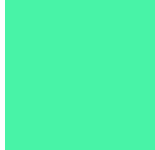
Protanomaly

42.5079, 64.3309, 10.3203



Deuteranomaly

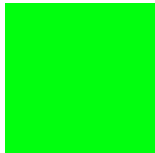
44.4807, 63.4641, 20.9717



Tritanomaly

41.6981, 68.2689, 47.5387

Monochromacy



Original Color

35.8393, 71.5517, 12.3374



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.3704, 39.8216, 18.6611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8393, 71.5517, 12.3374 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 14)  
}
```

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, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 14) }
```

Border

The CSS property to change the border of an element to XYZ 35.8393, 71.5517, 12.3374 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, 14) }
```


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

```
.border{ border-color:rgb(0, 255, 14) }
```

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, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 14)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8393, 71.5517, 12.3374 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, 14) }
```

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

```
.background{ background-color: rgb(0, 255,  
14) }
```

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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