

Converting Colors

XYZ(35.9798, 71.6227, 12.4111)

Have a look what the booklet for
XYZ(35.9798, 71.6227, 12.4111)
contains.

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Color

**XYZ(35.9787, 71.6219,
12.4184)**

Conversions

Conversions Part 1

Format	Color
Hex	0AFF10
RGB	10, 255, 16
RGB Percent	4%, 100%, 6%
CMY	0.9608, 0.0000, 0.9371
CMYK	0.96, 0.00, 0.94, 0.00
HSL	121°, 100%, 52%
HSV	121°, 96%, 100%
XYZ	35.9787, 71.6219, 12.4184
YIQ	154.4990, -69.3010, -126.2690

Conversions

Conversions Part 2

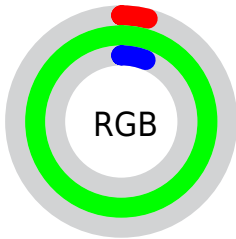
Format	Color
RYB	10, 249, 255
Decimal	720656
CIELab	87.79, -85.66, 81.95
CIELCh	88, 118.550, 136.269
Yxy	71.6219, 0.2998, 0.5968
Android (android.graphics.Color)	4278910736 (0xFF0AFF10)
YUV	154.4990, -68.2800, -126.7256
Hunter-Lab	84.6297, -72.2162, 50.5407

Details

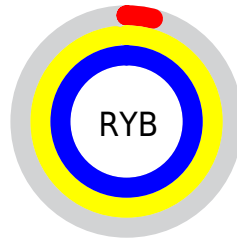
The XYZ color **35.9787, 71.6219, 12.4184** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **58.4430, 28.3149, 91.9844**, and the grayscale version is **31.2500, 32.8774, 35.8035**.

A 20% lighter version of the original color is **45.7565, 76.4295, 23.4071**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.7944, 71.5338, 12.1010**, and if you desaturate by 10%, it is **36.8688, 72.0456, 14.0519**.

Distribution



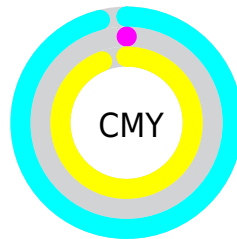
- Red (4%)
- Green (100%)
- Blue (6%)



- Red (4%)
- Yellow (98%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)



- Cyan (96%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9787, 71.6219, 12.4184 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 35.9787, 71.6219, 12.4184 by changing the saturation by 10% instead.


 35.9787, 71.6219,
12.4184


 35.9787, 71.6219,
12.4184


320.3003,
466.2245, 218.2312

 24.5878, 52.8499,
6.9033


 68.3233, 121.5188,
30.9306

 15.8973, 37.6829,
3.3242


 90.0076, 153.4125,
44.7648


 9.5419, 25.7367,
1.2624


 115.8539,
190.4488, 62.2091

 5.1562, 16.6268,
0.0307

 146.2273,
233.0123, 83.6820

 2.3749, 9.9687,
0.0000

 181.4933,
281.4871, 109.6022

 0.8326, 5.3782,
0.0000

 222.0172,

 0.0000, 2.4709,

336.2579, 140.3881

0.0000

268.1644,
397.7089, 176.4582

■ 0.0000, 0.8620,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9787, 71.6219,
12.4184

■ 35.9787, 71.6219,
12.4184

■ 35.7944, 71.5338,
12.1010

■ 36.8688, 72.0456,
14.0519

■ 38.6613, 72.9029,
17.1536

■ 41.5173, 74.2716,
21.9657

■ 45.5668, 76.2147,
28.6863

■ 50.9216, 78.7859,
37.4864

■ 57.6803, 82.0330,
48.5179

■ 65.9322, 85.9989,
61.9187

■ 75.7591, 90.7232,
77.8154

■ 87.2370, 96.2425,
96.3257

Harmonies

Analogous

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



54.0111, 71.6219, 3.7618



35.9787, 71.6219, 12.4184



27.8741, 71.6219, 46.6755

Triad

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



35.9787, 71.6219, 12.4184



56.0192, 71.6219, 346.2336



134.3638, 71.6219, 42.1239

Complementary

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



35.9787, 71.6219, 12.4184



58.4430, 28.3149, 91.9844

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.



135.3421, 71.6219, 120.8641



35.9787, 71.6219, 12.4184



84.3889, 71.6219, 341.4575

Square

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



35.9787, 71.6219, 12.4184



37.0978, 71.6219, 252.1513



115.1468, 71.6219, 241.6882



112.7580, 71.6219, 11.0465

Rectangle

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



35.9787, 71.6219, 12.4184



27.2051, 71.6219, 96.1616



115.1468, 71.6219, 241.6882



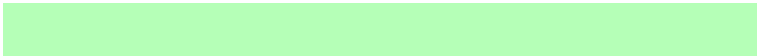
137.2854, 71.6219, 62.2550

Sweetspot

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



35.9789, 71.6220, 12.4195



63.3615, 84.7633, 57.7501



75.5685, 92.0357, 14.0690



12.8095, 17.7812, 11.1390



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.



35.9789, 71.6220, 12.4195



35.7944, 71.5338, 12.1010



40.3708, 73.3788, 35.5466



17.7897, 20.1754, 19.1955



18.7112, 37.3811, 6.3642



1.8279, 3.6421, 0.6517

Inverse Universe

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



58.4430, 28.3149, 91.9844



58.2961, 28.0824, 91.7462



45.2724, 23.0466, 22.6288



18.7722, 18.2922, 22.6837



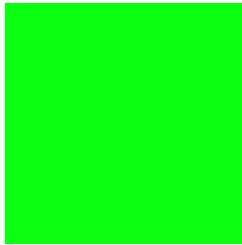
30.4697, 14.6772, 47.9853



2.9726, 1.4314, 4.7032

Previews

White Background



This preview shows how the XYZ color 35.9787, 71.6219, 12.4184 looks on a white background.

Color Contrast Check

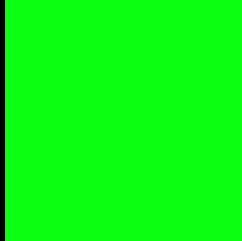
Large Text (above 18pt) WCAG AA × Fail

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 35.9787, 71.6219, 12.4184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

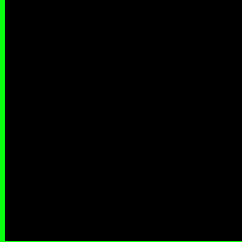
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

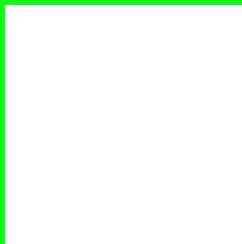
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9787, 71.6219, 12.4184

Background



This preview shows how black text looks on a background with the XYZ color 35.9787, 71.6219, 12.4184.



This preview shows how white text looks on a background with the XYZ color 35.9787, 71.6219,

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

35.9787, 71.6219, 12.4184

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

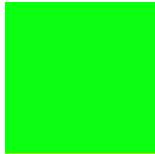
69.4922, 69.8317, 35.8028



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

35.9787, 71.6219, 12.4184



Protanomaly

43.1060, 64.6386, 10.3769



Deuteranomaly

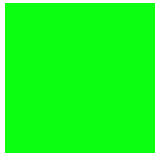
45.3526, 63.9082, 21.2544



Tritanomaly

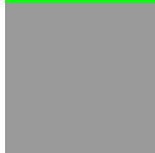
42.0990, 68.4648, 48.0420

Monochromacy



Original Color

35.9787, 71.6219, 12.4184



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.6090, 41.0859, 19.6246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9787, 71.6219, 12.4184 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(10, 255, 16)` looks like.

```
.text, #text, p{  
    color:rgb(10, 255, 16)  
}
```

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(10, 255, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 255, 16) }
```

Border

The CSS property to change the border of an element to XYZ 35.9787, 71.6219, 12.4184 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(10, 255, 16) }
```


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

```
.border{ border-color:rgb(10, 255, 16) }
```

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

Here you see how a box with a 4 pixel rgb(10, 255, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 255, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 255, 16);  
box-shadow:4px 4px 4px 4px rgb(10, 255,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9787, 71.6219, 12.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 255, 16) }
```

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

```
.background{ background-color: rgb(10, 255,  
16) }
```

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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