

Converting Colors

$Y_{xy}(71.6227, 0.3009, 0.5993)$

Have a look what the booklet for
Yxy(71.6227, 0.3009, 0.5993)
contains.

Yxy(71.6216, 0.3009, 0.5993)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(71.6216, 0.3009, 0.5993)

Conversions

Conversions Part 1

Format	Color
Hex	0FFF00
RGB	15, 255, 0
RGB Percent	6%, 100%, 0%
CMY	0.9401, 0.0000, 1.0000
CMYK	0.94, 0.00, 1.00, 0.00
HSL	116°, 100%, 50%
HSV	116°, 100%, 100%
XYZ	35.9602, 71.6216, 11.9270
YIQ	154.1700, -61.1850, -130.1850

Conversions

Conversions Part 2

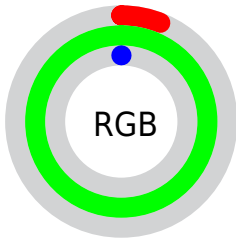
Format	Color
RYB	0, 255, 240
Decimal	1048320
CIELab	87.79, -85.72, 83.25
CIELCh	88, 119.493, 135.840
Yxy	71.6216, 0.3009, 0.5993
Android (android.graphics.Color)	4279238400 (0xFF0FFF00)
YUV	154.1700, -76.0058, -122.0521
Hunter-Lab	84.6295, -72.2548, 50.8848

Details

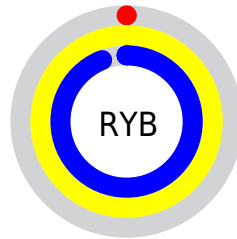
The Yxy color **71.6216, 0.3009, 0.5993** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **25.6953, 0.3056, 0.1457**, and the grayscale version is **32.7945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4303, 0.3161, 0.5285**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6240, 0.3009, 0.5993**, and if you desaturate by 10%, it is **72.0287, 0.3022, 0.5917**.

Distribution



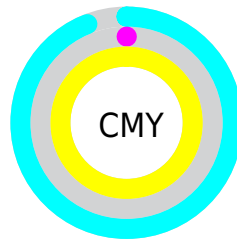
- Red (6%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (94%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6216, 0.3009, 0.5993 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 Yxy color 71.6216, 0.3009, 0.5993 by changing the saturation by 10% instead.

 71.6216, 0.3009,
0.5993


 71.6216, 0.3009,
0.5993

466.2235, 0.3198,
0.4656


 52.8496, 0.2926,
0.6292

 121.5184, 0.3107,
0.5528


 37.6827, 0.2802,
0.6647


 153.4120, 0.3135,
0.5346

 25.7365, 0.2617,
0.7065


 190.4483, 0.3155,
0.5189

 16.6267, 0.2365,
0.7635

 233.0116, 0.3170,
0.5053

 9.9687, 0.1922,
0.8078

 281.4864, 0.3181,
0.4935

 5.3782, 0.1338,
0.8662


 336.2570, 0.3189,

 2.4708, 0.0000,


0.4831


1.0000


397.7079, 0.3194,
0.4738


 0.8620, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.6216, 0.3009,
0.5993

 71.6216, 0.3009,
0.5993


 71.6240, 0.3009,
0.5993

 72.0287, 0.3022,
0.5917


 72.8233, 0.3040,
0.5761


 74.0847, 0.3058,
0.5521

 75.8700, 0.3075,
0.5216

 78.2281, 0.3091,
0.4871

 81.2025, 0.3103,
0.4514

 84.8323, 0.3113,
0.4166

 89.1533, 0.3120,
0.3842

 94.1988, 0.3124,
0.3549

Harmonies

Analogous

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



71.6216, 0.4191, 0.5534



71.6216, 0.3009, 0.5993



71.6216, 0.1910, 0.4940

Triad

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



71.6216, 0.3009, 0.5993



71.6216, 0.1168, 0.1505



71.6216, 0.5420, 0.2871

Complementary

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



71.6216, 0.3009, 0.5993



25.6953, 0.3056, 0.1457

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.



71.6216, 0.4113, 0.2169



71.6216, 0.3009, 0.5993



71.6216, 0.1677, 0.1429

Square

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



71.6216, 0.3009, 0.5993



71.6216, 0.1018, 0.1986



71.6216, 0.2666, 0.1657



71.6216, 0.5788, 0.3650

Rectangle

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



71.6216, 0.3009, 0.5993



71.6216, 0.1392, 0.3700



71.6216, 0.2666, 0.1657



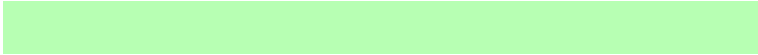
71.6216, 0.5060, 0.2625

Sweetspot

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



71.6240, 0.3009, 0.5993



84.8323, 0.3113, 0.4166



82.4091, 0.4317, 0.4954



17.8124, 0.3109, 0.4310



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6240, 0.3009, 0.5993



72.6567, 0.2794, 0.5260



20.2201, 0.3125, 0.3535



37.4451, 0.3012, 0.5990



3.6633, 0.3041, 0.5967

Inverse Universe

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



25.6953, 0.3056, 0.1457



23.2889, 0.4714, 0.2371



18.2417, 0.3128, 0.3055



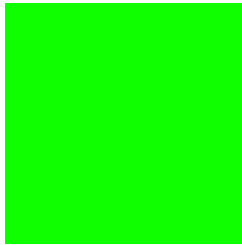
13.4502, 0.3059, 0.1459



1.3258, 0.3077, 0.1469

Previews

White Background



This preview shows how the Yxy color 71.6216, 0.3009, 0.5993 looks on a white background.

Color Contrast Check

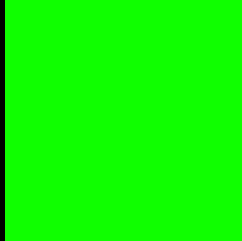
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 71.6216, 0.3009, 0.5993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

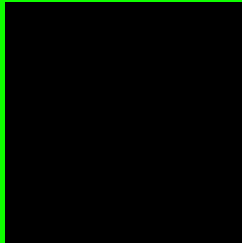
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

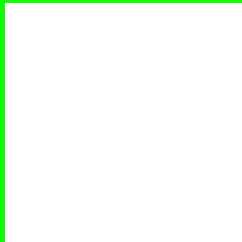
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6216, 0.3009, 0.5993

Background



This preview shows how black text looks on a background with the Yxy color 71.6216, 0.3009, 0.5993.



This preview shows how white text looks on a background with the Yxy color 71.6216, 0.3009, 0.5993.

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

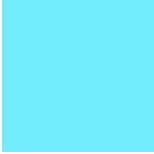
71.6216, 0.3009, 0.5993

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

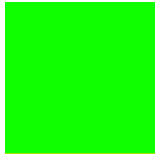
69.8317, 0.3968, 0.3987



Tritanopia

70.7883, 0.2379, 0.3062

Trichromacy



Original Color

71.6216, 0.3009, 0.5993



Protanomaly

64.8332, 0.3668, 0.5470



Deuteranomaly

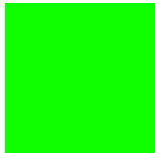
64.0183, 0.3517, 0.4948



Tritanomaly

68.3295, 0.2687, 0.4402

Monochromacy



Original Color

71.6216, 0.3009, 0.5993



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

41.0865, 0.3097, 0.4793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6216, 0.3009, 0.5993 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(15, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 71.6216, 0.3009, 0.5993 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(15, 255, 0) }
```

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

```
.border{ border-color:rgb(15, 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(15, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(15, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 71.6216, 0.3009, 0.5993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 0) }
```

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

```
.background{ background-color: rgb(15, 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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