

Converting Colors

Yxy(71.5712, 0.3005, 0.5996)

Have a look what the booklet for
Yxy(71.5712, 0.3005, 0.5996)
contains.

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Color

Yxy(71.5781, 0.3005, 0.5996)

Conversions

Conversions Part 1

Format	Color
Hex	09FF00
RGB	9, 255, 0
RGB Percent	4%, 100%, 0%
CMY	0.9648, 0.0000, 0.9998
CMYK	0.96, 0.00, 1.00, 0.00
HSL	118°, 100%, 50%
HSV	118°, 100%, 100%
XYZ	35.8726, 71.5781, 11.9257
YIQ	152.3760, -64.7610, -131.4570

Conversions

Conversions Part 2

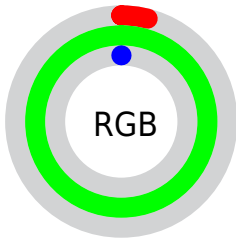
Format	Color
RYB	0, 255, 246
Decimal	655104
CIELab	87.77, -85.93, 83.21
CIELCh	88, 119.616, 135.919
Yxy	71.5781, 0.3005, 0.5996
Android (android.graphics.Color)	4278845184 (0xFF09FF00)
YUV	152.3760, -75.1214, -125.7408
Hunter-Lab	84.6038, -72.3715, 50.8652

Details

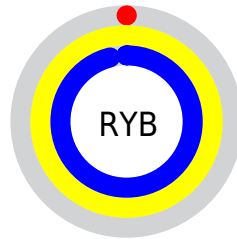
The Yxy color **71.5781, 0.3005, 0.5996** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **26.8261, 0.3120, 0.1493**, and the grayscale version is **31.9243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3577, 0.3156, 0.5288**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5777, 0.3005, 0.5996**, and if you desaturate by 10%, it is **71.9258, 0.3013, 0.5924**.

Distribution



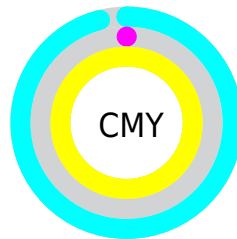
- Red (4%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (96%)



- Cyan (96%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5781, 0.3005, 0.5996 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 71.5781, 0.3005, 0.5996 by changing the saturation by 10% instead.


 71.5781, 0.3005,
0.5996

 71.5781, 0.3005,
0.5996


466.0718, 0.3196,
0.4657


 52.8141, 0.2921,
0.6296


 121.4565, 0.3103,
0.5530


 37.6544, 0.2797,
0.6651


 153.3397, 0.3132,
0.5347

 25.7146, 0.2612,
0.7070


 190.3648, 0.3153,
0.5191

 16.6102, 0.2359,
0.7641

 232.9161, 0.3168,
0.5055

 9.9570, 0.1914,
0.8086

 281.3781, 0.3178,
0.4936

 5.3704, 0.1330,
0.8670


 336.1351, 0.3186,


 2.4662, 0.0000,


0.4832


1.0000


397.5715, 0.3192,
0.4739


 0.8596, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.5781, 0.3005,
0.5996


 71.5781, 0.3005,
0.5996


 71.5777, 0.3005,
0.5996


 71.9258, 0.3013,
0.5924


 72.6650, 0.3027,
0.5770


 73.8798, 0.3042,
0.5531


 75.6318, 0.3059,
0.5225

 77.9739, 0.3075,
0.4878

 80.9522, 0.3089,
0.4518

 84.6086, 0.3102,
0.4168

 88.9810, 0.3112,
0.3842

 94.1050, 0.3121,
0.3548

Harmonies

Analogous

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



71.5781, 0.4188, 0.5538



71.5781, 0.3005, 0.5996



71.5781, 0.1906, 0.4938

Triad

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



71.5781, 0.3005, 0.5996



71.5781, 0.1167, 0.1503



71.5781, 0.5425, 0.2872

Complementary

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



71.5781, 0.3005, 0.5996



26.8261, 0.3120, 0.1493

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.



71.5781, 0.4119, 0.2169



71.5781, 0.3005, 0.5996



71.5781, 0.1678, 0.1428

Square

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



71.5781, 0.3005, 0.5996



71.5781, 0.1016, 0.1982



71.5781, 0.2668, 0.1657



71.5781, 0.5790, 0.3651

Rectangle

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



71.5781, 0.3005, 0.5996



71.5781, 0.1389, 0.3696



71.5781, 0.2668, 0.1657



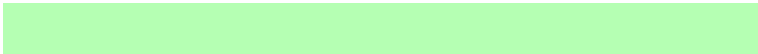
71.5781, 0.5065, 0.2626

Sweetspot

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



71.5781, 0.3005, 0.5996



84.6001, 0.3102, 0.4169



84.9149, 0.4285, 0.4980



17.7598, 0.3097, 0.4314



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.



71.5781, 0.3005, 0.5996



71.5777, 0.3005, 0.5996



72.7531, 0.2780, 0.5206



20.1985, 0.3121, 0.3535



37.4140, 0.3007, 0.5994



3.6531, 0.3024, 0.5981

Inverse Universe

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



26.8261, 0.3120, 0.1493



26.8246, 0.3120, 0.1492



23.1627, 0.4785, 0.2410



18.2660, 0.3132, 0.3056



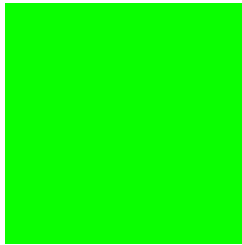
14.0309, 0.3122, 0.1493



1.3759, 0.3132, 0.1499

Previews

White Background



This preview shows how the Yxy color 71.5781, 0.3005, 0.5996 looks on a white background.

Color Contrast Check

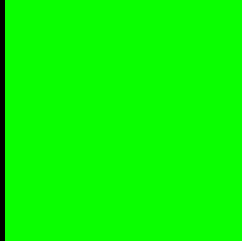
Large Text (above 18pt) WCAG AA × Fail

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 71.5781, 0.3005, 0.5996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

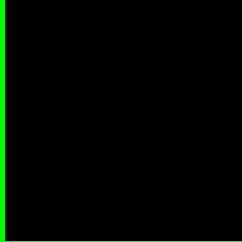
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

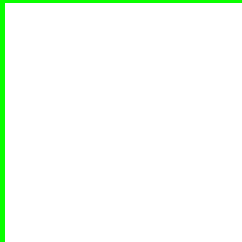
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5781, 0.3005, 0.5996

Background



This preview shows how black text looks on a background with the Yxy color 71.5781, 0.3005, 0.5996.



This preview shows how white text looks on a background with the Yxy color 71.5781, 0.3005, 0.5996.

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

71.5781, 0.3005, 0.5996

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

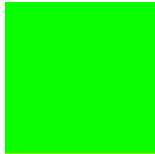
69.8317, 0.3968, 0.3987



Tritanopia

70.7216, 0.2375, 0.3062

Trichromacy



Original Color

71.5781, 0.3005, 0.5996



Protanomaly

64.6254, 0.3653, 0.5481



Deuteranomaly

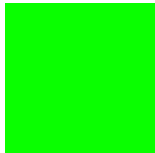
63.8005, 0.3502, 0.4957



Tritanomaly

68.2057, 0.2678, 0.4405

Monochromacy



Original Color

71.5781, 0.3005, 0.5996



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

39.9676, 0.3076, 0.4801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5781, 0.3005, 0.5996 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(9, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(9, 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(9, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 71.5781, 0.3005, 0.5996 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(9, 255, 0) }
```

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

```
.border{ border-color:rgb(9, 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(9, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 255, 0); box-shadow:4px  
4px 4px 4px rgb(9, 255, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5781, 0.3005, 0.5996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 0) }
```

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

```
.background{ background-color: rgb(9, 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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