

Converting Colors

$Y_{xy}(76.1078, 0.3356, 0.5715)$

Have a look what the booklet for
Yxy(76.1078, 0.3356, 0.5715)
contains.

Yxy(76.1114, 0.3355, 0.5716)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.1114, 0.3355, 0.5716)

Conversions

Conversions Part 1

Format	Color
Hex	80FF01
RGB	128, 255, 1
RGB Percent	50%, 100%, 0%
CMY	0.4979, 0.0000, 0.9952
CMYK	0.50, 0.00, 1.00, 0.00
HSL	90°, 100%, 50%
HSV	90°, 100%, 100%
XYZ	44.6735, 76.1114, 12.3701
YIQ	188.0710, 5.8420, -105.9180

Conversions

Conversions Part 2

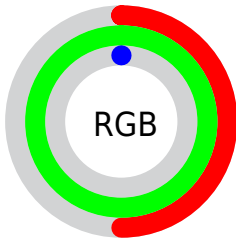
Format	Color
R_{YB}	1, 255, 128
Decimal	8453889
CIE _{Lab}	89.91, -67.76, 85.74
CIE _{LCh}	90, 109.283, 128.319
Yxy	76.1114, 0.3355, 0.5716
Android (android.graphics.Color)	4286643969 (0xFF80FF01)
YUV	188.0710, -92.2260, -52.6823
Hunter-Lab	87.2418, -61.2696, 52.6625

Details

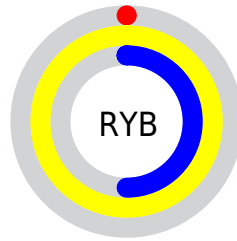
The Yxy color **76.1114, 0.3355, 0.5716** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **11.8482, 0.2010, 0.0882**, and the grayscale version is **50.8860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3867, 0.3569, 0.5025**, and **40.8024, 0.3130, 0.5897** is the 20% darker color. If you saturate the color by 10%, you get **76.0651, 0.3352, 0.5720**, and if you desaturate by 10%, it is **77.2424, 0.3409, 0.5613**.

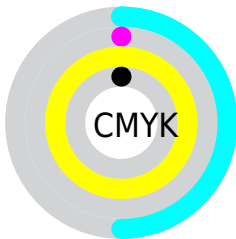
Distribution



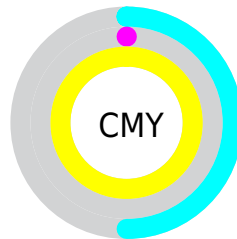
- Red (50%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (50%)



- Cyan (50%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1114, 0.3355, 0.5716 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 76.1114, 0.3355, 0.5716 by changing the saturation by 10% instead.


 76.1114, 0.3355,
0.5716


 76.1114, 0.3355,
0.5716

481.7290, 0.3374,
0.4562


 56.5239, 0.3312,
0.5963

 127.8844, 0.3392,
0.5324


 40.6231, 0.3240,
0.6251


 160.8386, 0.3397,
0.5168


 28.0247, 0.3120,
0.6585


 199.0171, 0.3398,
0.5033

 18.3443, 0.2954,
0.7038

 242.8044, 0.3396,
0.4914

 11.1974, 0.2609,
0.7391

 292.5849, 0.3391,
0.4810

 6.1998, 0.2128,
0.7872


 348.7428, 0.3386,

 2.9669, 0.1294,


0.4718


0.8706


411.6627, 0.3380,
0.4636


 1.1145, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.1114, 0.3355,
0.5716


 76.1114, 0.3355,
0.5716


 76.0651, 0.3352,
0.5720


 77.2424, 0.3409,
0.5613


 78.5958, 0.3445,
0.5456

 80.2061, 0.3459,
0.5243


 82.0948, 0.3451,
0.4986

 84.2803, 0.3423,
0.4698

 86.7791, 0.3378,
0.4397

 89.6062, 0.3322,
0.4096

 92.7757, 0.3259,
0.3805

 96.3003, 0.3192,
0.3531

Harmonies

Analogous

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



76.1114, 0.4433, 0.5184



76.1114, 0.3355, 0.5716



76.1114, 0.2278, 0.5099

Triad

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



76.1114, 0.3355, 0.5716



76.1114, 0.1236, 0.1717



76.1114, 0.4957, 0.2756

Complementary

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



76.1114, 0.3355, 0.5716



11.8482, 0.2010, 0.0882

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.



76.1114, 0.3680, 0.2119



76.1114, 0.3355, 0.5716



76.1114, 0.1633, 0.1551

Square

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



76.1114, 0.3355, 0.5716



76.1114, 0.1180, 0.2317



76.1114, 0.2442, 0.1696



76.1114, 0.5562, 0.3492

Rectangle

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



76.1114, 0.3355, 0.5716



76.1114, 0.1707, 0.4080



76.1114, 0.2442, 0.1696



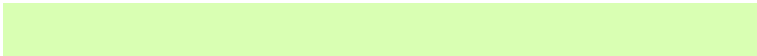
76.1114, 0.4573, 0.2528

Sweetspot

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



76.1147, 0.3355, 0.5716



89.4652, 0.3325, 0.4110



36.7283, 0.5427, 0.4070



18.8868, 0.3350, 0.4236



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.



76.1147, 0.3355, 0.5716



76.0659, 0.3352, 0.5720



71.5297, 0.3000, 0.5997



20.6140, 0.3192, 0.3530



39.8348, 0.3364, 0.5711



3.9435, 0.3450, 0.5643

Inverse Universe

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



11.8482, 0.2010, 0.0882



11.7751, 0.2005, 0.0878



28.5060, 0.3209, 0.1543



17.8241, 0.3058, 0.3050



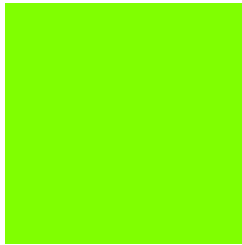
6.2415, 0.2021, 0.0887



0.6726, 0.2144, 0.0955

Previews

White Background



This preview shows how the Yxy color 76.1114, 0.3355, 0.5716 looks on a white background.

Color Contrast Check

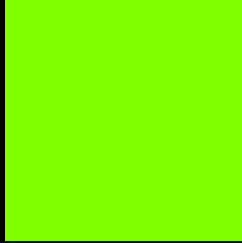
Large Text (above 18pt) WCAG AA × Fail

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 76.1114, 0.3355, 0.5716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

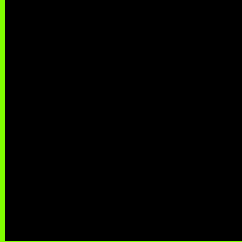
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

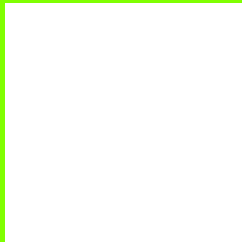
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.1114, 0.3355, 0.5716

Background



This preview shows how black text looks on a background with the Yxy color 76.1114, 0.3355, 0.5716.



This preview shows how white text looks on a background with the Yxy color 76.1114, 0.3355, 0.5716.

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

76.1114, 0.3355, 0.5716

Protanopia

74.7331, 0.4406, 0.4883

Deuteranopia

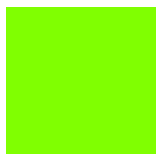
74.7502, 0.3757, 0.3814



Tritanopia

75.7877, 0.2601, 0.3087

Trichromacy



Original Color

76.1114, 0.3355, 0.5716



Protanomaly

73.4008, 0.3983, 0.5220



Deuteranomaly

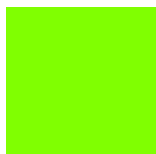
72.3301, 0.3730, 0.4668



Tritanomaly

74.0211, 0.3016, 0.4300

Monochromacy



Original Color

76.1114, 0.3355, 0.5716



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.5500, 0.3395, 0.4501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1114, 0.3355, 0.5716 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(128, 255, 1)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 1)  
}
```

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(128, 255, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 1) }
```

Border

The CSS property to change the border of an element to Yxy 76.1114, 0.3355, 0.5716 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(128, 255, 1) }
```

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

```
.border{ border-color:rgb(128, 255, 1) }
```

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

Here you see how a box with a 4 pixel rgb(128, 255, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 1);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1114, 0.3355, 0.5716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 1) }
```

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

```
.background{ background-color: rgb(128,  
255, 1) }
```

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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