

Converting Colors

$Y_{xy}(76.1222, 0.3356, 0.5717)$

Have a look what the booklet for
Yxy(76.1222, 0.3356, 0.5717)
contains.

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Color

Yxy(76.1092, 0.3355, 0.5718)

Conversions

Conversions Part 1

Format	Color
Hex	80FF00
RGB	128, 255, 0
RGB Percent	50%, 100%, 0%
CMY	0.4982, 0.0000, 0.9996
CMYK	0.50, 0.00, 1.00, 0.00
HSL	90°, 100%, 50%
HSV	90°, 100%, 100%
XYZ	44.6566, 76.1092, 12.3388
YIQ	187.9570, 6.1630, -106.2290

Conversions

Conversions Part 2

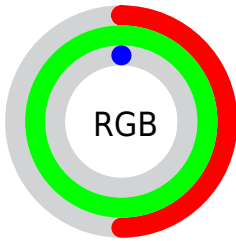
Format	Color
RYB	0, 255, 127
Decimal	8453888
CIELab	89.91, -67.80, 85.82
CIELCh	90, 109.373, 128.312
Yxy	76.1092, 0.3355, 0.5718
Android (android.graphics.Color)	4286643968 (0xFF80FF00)
YUV	187.9570, -92.6628, -52.5823
Hunter-Lab	87.2406, -61.3007, 52.6828

Details

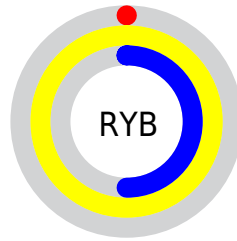
The Yxy color **76.1092, 0.3355, 0.5718** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **11.7464, 0.2002, 0.0876**, and the grayscale version is **50.7955, 0.3127, 0.3290**.

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 **76.1011, 0.3355, 0.5718**, and if you desaturate by 10%, it is **77.2256, 0.3409, 0.5617**.

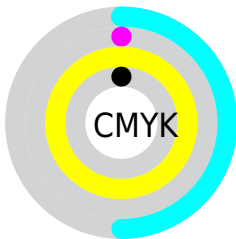
Distribution



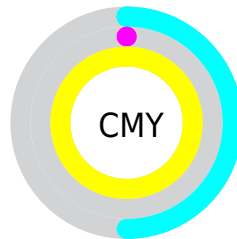
- Red (50%)
- Green (100%)
- Blue (0%)



- 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 76.1092, 0.3355, 0.5718 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 76.1092, 0.3355, 0.5718 by changing the saturation by 10% instead.


 76.1092, 0.3355,
0.5718


 76.1092, 0.3355,
0.5718


481.7214, 0.3374,
0.4563


 56.5221, 0.3312,
0.5965

 127.8813, 0.3392,
0.5326


 40.6216, 0.3240,
0.6253


 160.8350, 0.3397,
0.5170

 28.0236, 0.3120,
0.6588


 199.0130, 0.3398,
0.5034

 18.3434, 0.2953,
0.7041

 242.7997, 0.3396,
0.4916

 11.1968, 0.2608,
0.7392

 292.5795, 0.3392,
0.4811

 6.1994, 0.2126,
0.7874


 348.7368, 0.3387,

 2.9667, 0.1291,


0.4719


0.8709


411.6560, 0.3381,
0.4637


 1.1144, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.1092, 0.3355,
0.5718


 76.1092, 0.3355,
0.5718

 76.1011, 0.3355,
0.5718

 77.2256, 0.3409,
0.5617

 78.5682, 0.3446,
0.5463

 80.1658, 0.3461,
0.5252

 82.0401, 0.3454,
0.4997

■ 84.2095, 0.3426,
0.4711

■ 86.6905, 0.3382,
0.4410

■ 89.4984, 0.3326,
0.4108

■ 92.6468, 0.3262,
0.3817

■ 96.1489, 0.3195,
0.3542

Harmonies

Analogous

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



76.1092, 0.4434, 0.5185



76.1092, 0.3355, 0.5718



76.1092, 0.2277, 0.5101

Triad

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



76.1092, 0.3355, 0.5718



76.1092, 0.1235, 0.1716



76.1092, 0.4958, 0.2755

Complementary

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



76.1092, 0.3355, 0.5718



11.7464, 0.2002, 0.0876

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.



76.1092, 0.3680, 0.2118



76.1092, 0.3355, 0.5718



76.1092, 0.1632, 0.1550

Square

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



76.1092, 0.3355, 0.5718



76.1092, 0.1179, 0.2317



76.1092, 0.2441, 0.1695



76.1092, 0.5564, 0.3491

Rectangle

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



76.1092, 0.3355, 0.5718



76.1092, 0.1706, 0.4081



76.1092, 0.2441, 0.1695



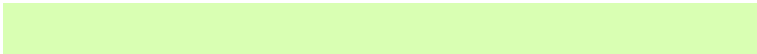
76.1092, 0.4573, 0.2527

Sweetspot

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



76.1054, 0.3355, 0.5718



89.4860, 0.3326, 0.4110



35.5018, 0.5485, 0.4027



18.8917, 0.3351, 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.



76.1054, 0.3355, 0.5718



76.1011, 0.3355, 0.5718



71.5483, 0.3002, 0.5998



20.6157, 0.3192, 0.3530



39.8533, 0.3367, 0.5709



3.9453, 0.3452, 0.5641

Inverse Universe

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



11.7464, 0.2002, 0.0876



11.7401, 0.2001, 0.0876



27.6854, 0.3167, 0.1518



17.8225, 0.3057, 0.3050



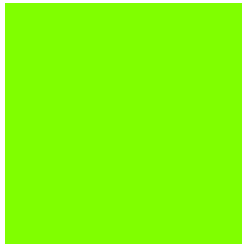
6.2231, 0.2018, 0.0885



0.6708, 0.2140, 0.0953

Previews

White Background



This preview shows how the Yxy color 76.1092, 0.3355, 0.5718 looks on a white background.

Color Contrast Check

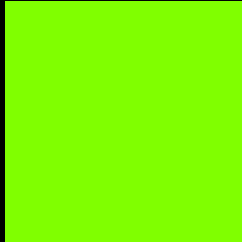
Large Text (above 18pt) WCAG AA × Fail

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 76.1092, 0.3355, 0.5718 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

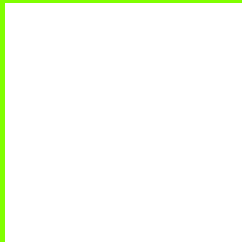
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.1092, 0.3355, 0.5718

Background



This preview shows how black text looks on a background with the Yxy color 76.1092, 0.3355, 0.5718.



This preview shows how white text looks on a background with the Yxy color 76.1092, 0.3355, 0.5718.

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

76.1092, 0.3355, 0.5718

Protanopia

74.7331, 0.4406, 0.4883

Deuteranopia

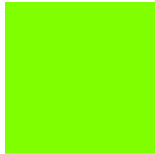
74.7502, 0.3757, 0.3814



Tritanopia

75.7877, 0.2601, 0.3087

Trichromacy



Original Color

76.1092, 0.3355, 0.5718



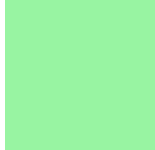
Protanomaly

73.4008, 0.3983, 0.5220



Deuteranomaly

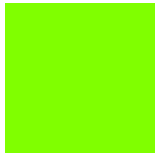
72.3301, 0.3730, 0.4668



Tritanomaly

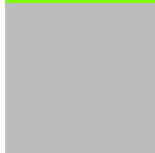
73.9854, 0.3021, 0.4313

Monochromacy



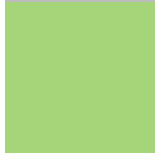
Original Color

76.1092, 0.3355, 0.5718



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 76.1092, 0.3355, 0.5718 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.1092, 0.3355, 0.5718 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, 0) }
```

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

```
.border{ border-color:rgb(128, 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(128, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1092, 0.3355, 0.5718 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, 0) }
```

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

```
.background{ background-color: rgb(128,  
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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