

Converting Colors

$Y_{xy}(76.0320, 0.3350, 0.5722)$

Have a look what the booklet for
Yxy(76.0320, 0.3350, 0.5722)
contains.

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Color

Yxy(76.0320, 0.3350, 0.5722)

Conversions

Conversions Part 1

Format	Color
Hex	7FFF00
RGB	127, 255, 0
RGB Percent	50%, 100%, 0%
CMY	0.5019, 0.0000, 0.9997
CMYK	0.50, 0.00, 1.00, 0.00
HSL	90°, 100%, 50%
HSV	90°, 100%, 100%
XYZ	44.5137, 76.0320, 12.3310
YIQ	187.6580, 5.5670, -106.4410

Conversions

Conversions Part 2

Format	Color
RYB	0, 255, 128
Decimal	8388352
CIELab	89.87, -68.07, 85.78
CIELCh	90, 109.503, 128.432
Yxy	76.0320, 0.3350, 0.5722
Android (android.graphics.Color)	4286578432 (0xFF7FFF00)
YUV	187.6580, -92.5154, -53.1971
Hunter-Lab	87.1963, -61.4695, 52.6529

Details

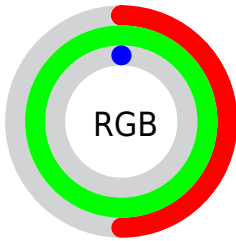
The Yxy color **76.0320, 0.3350, 0.5722** is a dark color, and the websafe version is hex **66FF00**, and the color name is **chartreuse**. The color can be described as dark saturated chartreuse. A complement of this color would be **11.8173, 0.2009, 0.0880**, and the grayscale version is **50.6254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2575, 0.3562, 0.5029**, and **40.7733, 0.3125, 0.5900** is the 20% darker color. If you saturate the color by 10%, you get **76.0293, 0.3350, 0.5722**, and if you desaturate by 10%, it is **77.1519, 0.3404, 0.5621**.

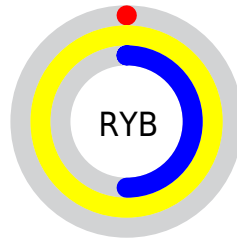
Chartreuse is a yellowish-green color, named

after a French liqueur called green chartreuse.

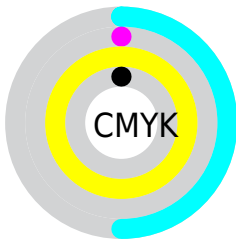
Distribution



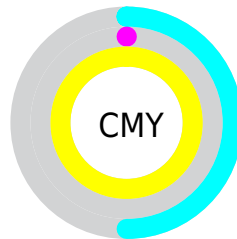
- Red (50%)
- Green (100%)
- Blue (0%)



- 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 76.0320, 0.3350, 0.5722 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 76.0320, 0.3350, 0.5722 by changing the saturation by 10% instead.

 76.0320, 0.3350,
0.5722


 76.0320, 0.3350,
0.5722


481.4572, 0.3372,
0.4565


 56.4587, 0.3307,
0.5970


 127.7721, 0.3388,
0.5329

 40.5708, 0.3234,
0.6259


 160.7078, 0.3394,
0.5172

 27.9839, 0.3112,
0.6595


 198.8664, 0.3395,
0.5036

 18.3135, 0.2945,
0.7050

 242.6324, 0.3393,
0.4918

 11.1753, 0.2598,
0.7402

 292.3900, 0.3389,
0.4813

 6.1849, 0.2114,
0.7886


 348.5238, 0.3384,


 2.9578, 0.1268,


0.4721


0.8732


411.4181, 0.3378,
0.4638


 1.1098, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.0320, 0.3350,
0.5722

 76.0320, 0.3350,
0.5722

 76.0293, 0.3350,
0.5722

 77.1519, 0.3404,
0.5621


 78.4948, 0.3442,
0.5466


 80.0945, 0.3457,
0.5255


 81.9725, 0.3450,
0.4999

 84.1476, 0.3423,
0.4712

 86.6363, 0.3379,
0.4411

 89.4537, 0.3324,
0.4109

 92.6140, 0.3261,
0.3817

 96.1300, 0.3194,
0.3542

Harmonies

Analogous

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



76.0320, 0.4430, 0.5190



76.0320, 0.3350, 0.5722



76.0320, 0.2272, 0.5099

Triad

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



76.0320, 0.3350, 0.5722



76.0320, 0.1234, 0.1713



76.0320, 0.4965, 0.2757

Complementary

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



76.0320, 0.3350, 0.5722



11.8173, 0.2009, 0.0880

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.



76.0320, 0.3686, 0.2119



76.0320, 0.3350, 0.5722



76.0320, 0.1632, 0.1548

Square

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



76.0320, 0.3350, 0.5722



76.0320, 0.1176, 0.2311



76.0320, 0.2444, 0.1695



76.0320, 0.5568, 0.3494

Rectangle

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



76.0320, 0.3350, 0.5722



76.0320, 0.1701, 0.4076



76.0320, 0.2444, 0.1695



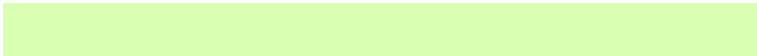
76.0320, 0.4581, 0.2528

Sweetspot

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



76.0329, 0.3350, 0.5722



89.4433, 0.3324, 0.4110



36.5800, 0.5435, 0.4066



18.8816, 0.3349, 0.4237



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.



76.0329, 0.3350, 0.5722



76.0293, 0.3350, 0.5722



71.5208, 0.3000, 0.6000



20.6123, 0.3191, 0.3530



39.8156, 0.3362, 0.5713



3.9416, 0.3447, 0.5645

Inverse Universe

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



11.8173, 0.2009, 0.0880



11.8119, 0.2008, 0.0880



28.4819, 0.3209, 0.1542



17.8258, 0.3058, 0.3050



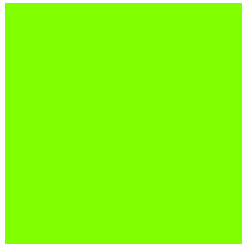
6.2608, 0.2025, 0.0889



0.6745, 0.2147, 0.0956

Previews

White Background



This preview shows how the Yxy color 76.0320, 0.3350, 0.5722 looks on a white background.

Color Contrast Check

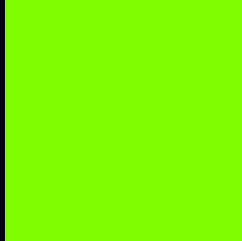
Large Text (above 18pt) WCAG AA × Fail

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 76.0320, 0.3350, 0.5722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

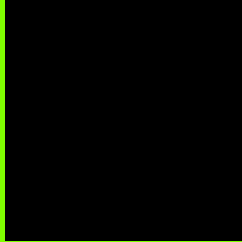
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

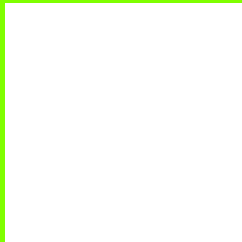
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.0320, 0.3350, 0.5722

Background



This preview shows how black text looks on a background with the Yxy color 76.0320, 0.3350, 0.5722.



This preview shows how white text looks on a background with the Yxy color 76.0320, 0.3350, 0.5722.

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

76.0320, 0.3350, 0.5722

Protanopia

74.7331, 0.4406, 0.4883

Deuteranopia

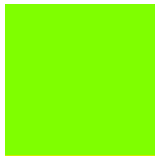
74.7131, 0.3765, 0.3824



Tritanopia

75.6809, 0.2596, 0.3087

Trichromacy



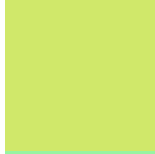
Original Color

76.0320, 0.3350, 0.5722



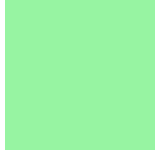
Protanomaly

73.2563, 0.3975, 0.5226



Deuteranomaly

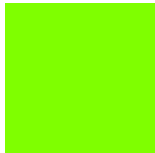
72.1637, 0.3728, 0.4681



Tritanomaly

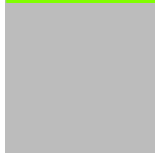
73.8893, 0.3015, 0.4315

Monochromacy



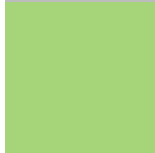
Original Color

76.0320, 0.3350, 0.5722



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 76.0320, 0.3350, 0.5722 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(127, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.0320, 0.3350, 0.5722 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(127, 255, 0) }
```


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

```
.border{ border-color:rgb(127, 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(127, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 76.0320, 0.3350, 0.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 0) }
```

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

```
.background{ background-color: rgb(127,  
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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