

Converting Colors

$Y_{xy}(75.7443, 0.2980, 0.5050)$

Have a look what the booklet for
Yxy(75.7443, 0.2980, 0.5050)
contains.

Yxy(75.7116, 0.2980, 0.5056)	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(75.7116, 0.2980, 0.5056)

Conversions

Conversions Part 1

Format	Color
Hex	67FF76
RGB	103, 255, 118
RGB Percent	40%, 100%, 46%
CMY	0.5961, 0.0000, 0.5371
CMYK	0.60, 0.00, 0.54, 0.00
HSL	126°, 100%, 70%
HSV	126°, 60%, 100%
XYZ	44.6243, 75.7116, 29.4101
YIQ	193.9340, -46.6150, -74.8310

Conversions

Conversions Part 2

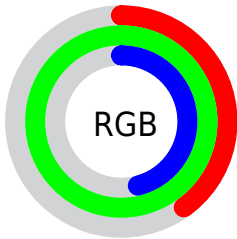
Format	Color
RYB	103, 241, 255
Decimal	6815606
CIELab	89.73, -67.10, 53.00
CIElCh	90, 85.509, 141.696
Yxy	75.7116, 0.2980, 0.5056
Android (android.graphics.Color)	4285005686 (0xFF67FF76)
YUV	193.9340, -37.4355, -79.7491
Hunter-Lab	87.0124, -60.7280, 40.8687

Details

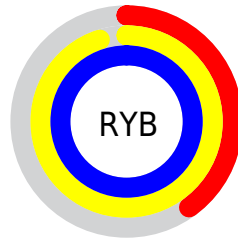
The Yxy color **75.7116, 0.2980, 0.5056** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.2485, 0.3334, 0.2009**, and the grayscale version is **54.1547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6441, 0.3042, 0.4259**, and **40.3738, 0.2883, 0.5535** is the 20% darker color. If you saturate the color by 10%, you get **73.9456, 0.2970, 0.5365**, and if you desaturate by 10%, it is **78.0710, 0.2998, 0.4724**.

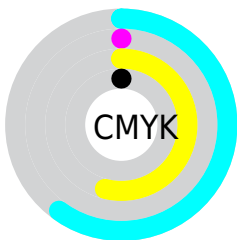
Distribution



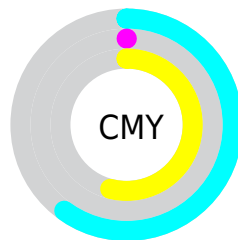
- Red (40%)
- Green (100%)
- Blue (46%)



- Red (40%)
- Yellow (95%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7116, 0.2980, 0.5056 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 75.7116, 0.2980, 0.5056 by changing the saturation by 10% instead.


 75.7116, 0.2980,
0.5056


 75.7116, 0.2980,
0.5056


480.3599, 0.3097,
0.4178


 56.1961, 0.2939,
0.5267


 127.3192, 0.3032,
0.4742

 40.3601, 0.2881,
0.5530


 160.1800, 0.3048,
0.4622

 27.8194, 0.2795,
0.5866


 198.2580, 0.3061,
0.4521

 18.1896, 0.2662,
0.6303


241.9376, 0.3072,
0.4433

 11.0862, 0.2447,
0.6878

291.6032, 0.3080,
0.4357

 6.1248, 0.2143,
0.7857

347.6392, 0.3087,

 2.9211, 0.1303,


0.4290


0.8697

410.4299, 0.3092,
0.4231


 1.0907, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.7116, 0.2980,
0.5056


 75.7116, 0.2980,
0.5056

 73.9456, 0.2970,
0.5365


 78.0710, 0.2998,
0.4724


 72.7188, 0.2968,
0.5627


 81.0693, 0.3021,
0.4390


 71.9688, 0.2974,
0.5823

 84.7491, 0.3047,
0.4071

 71.6015, 0.2985,
0.5943

 89.1486, 0.3074,
0.3777

 71.5912, 0.2985,
0.5947

 94.3035, 0.3102,
0.3514

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



75.7116, 0.3905, 0.5098



75.7116, 0.2980, 0.5056



75.7116, 0.2143, 0.4175

Triad

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



75.7116, 0.2980, 0.5056



75.7116, 0.1654, 0.1889



75.7116, 0.4880, 0.3170

Complementary

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



75.7116, 0.2980, 0.5056



37.2485, 0.3334, 0.2009

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.



75.7116, 0.4052, 0.2558



75.7116, 0.2980, 0.5056



75.7116, 0.2158, 0.1857

Square

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



75.7116, 0.2980, 0.5056



75.7116, 0.1476, 0.2250



75.7116, 0.3005, 0.2093



75.7116, 0.5091, 0.3851

Rectangle

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



75.7116, 0.2980, 0.5056



75.7116, 0.1754, 0.3393



75.7116, 0.3005, 0.2093



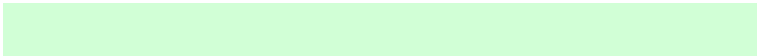
75.7116, 0.4660, 0.2956

Sweetspot

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



75.7120, 0.2980, 0.5056



89.9266, 0.3079, 0.3733



91.4354, 0.3885, 0.4740



18.9501, 0.3071, 0.3814



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.



75.7120, 0.2980, 0.5056



73.6055, 0.2968, 0.5433



78.1942, 0.2660, 0.4092



20.1974, 0.3102, 0.3511



37.4175, 0.2981, 0.5933



3.6525, 0.2945, 0.5802

Inverse Universe

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



37.2485, 0.3334, 0.2009



31.9224, 0.3383, 0.1837



33.7247, 0.4184, 0.2662



18.2676, 0.3153, 0.3079



14.1001, 0.3476, 0.1688



1.3815, 0.3441, 0.1669

Previews

White Background



This preview shows how the Yxy color 75.7116, 0.2980, 0.5056 looks on a white background.

Color Contrast Check

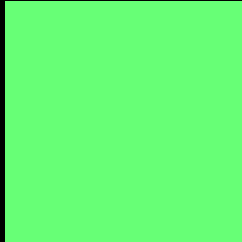
Large Text (above 18pt) WCAG AA × Fail

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 75.7116, 0.2980, 0.5056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

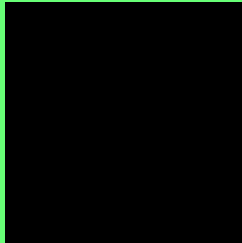
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

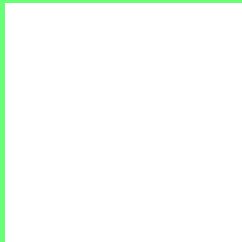
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7116, 0.2980, 0.5056

Background



This preview shows how black text looks on a background with the Yxy color 75.7116, 0.2980, 0.5056.



This preview shows how white text looks on a background with the Yxy color 75.7116, 0.2980, 0.5056.

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

75.7116, 0.2980, 0.5056

Protanopia

74.3505, 0.4067, 0.4442

Deuteranopia

73.9028, 0.3728, 0.3743



Tritanopia

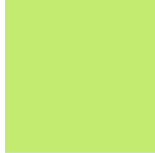
75.1414, 0.2544, 0.3095

Trichromacy



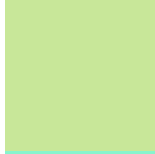
Original Color

75.7116, 0.2980, 0.5056



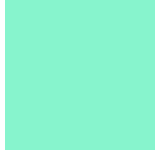
Protanomaly

72.1886, 0.3588, 0.4697



Deuteranomaly

71.7311, 0.3404, 0.4200



Tritanomaly

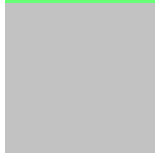
74.2600, 0.2710, 0.3771

Monochromacy



Original Color

75.7116, 0.2980, 0.5056



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4420, 0.3062, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7116, 0.2980, 0.5056 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(103, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(103, 255, 118)  
}
```

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(103, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 118) }
```

Border

The CSS property to change the border of an element to Yxy 75.7116, 0.2980, 0.5056 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(103, 255, 118) }
```

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

```
.border{ border-color:rgb(103, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7116, 0.2980, 0.5056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 118) }
```

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

```
.background{ background-color: rgb(103,  
255, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor