

Converting Colors

$Y_{xy}(75.0267, 0.3165, 0.5549)$

Have a look what the booklet for
Yxy(75.0267, 0.3165, 0.5549)
contains.

Yxy(75.0391, 0.3166, 0.5549)	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(75.0391, 0.3166, 0.5549)

Conversions

Conversions Part 1

Format	Color
Hex	6BFF42
RGB	107, 255, 66
RGB Percent	42%, 100%, 26%
CMY	0.5801, 0.0000, 0.7413
CMYK	0.58, 0.00, 0.74, 0.00
HSL	107°, 100%, 63%
HSV	107°, 74%, 100%
XYZ	42.8138, 75.0391, 17.3770
YIQ	189.2020, -27.5390, -90.1550

Conversions

Conversions Part 2

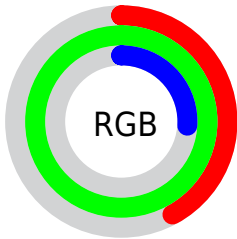
Format	Color
R _{YB}	66, 255, 214
Decimal	7077698
CIE Lab	89.41, -71.08, 73.26
CIE LCh	89, 102.073, 134.134
Yxy	75.0391, 0.3166, 0.5549
Android (android.graphics.Color)	4285267778 (0xFF6BFF42)
YUV	189.2020, -60.7386, -72.0912
Hunter-Lab	86.6251, -63.3717, 48.7440

Details

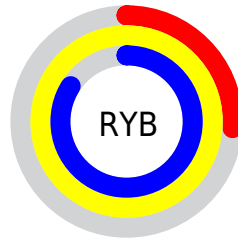
The Yxy color **75.0391, 0.3166, 0.5549** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **25.3927, 0.2804, 0.1493**, and the grayscale version is **51.3899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6586, 0.3307, 0.4800**, and **40.0341, 0.3016, 0.5988** is the 20% darker color. If you saturate the color by 10%, you get **73.7071, 0.3133, 0.5760**, and if you desaturate by 10%, it is **76.7967, 0.3189, 0.5274**.

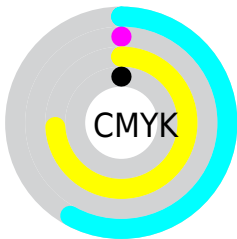
Distribution



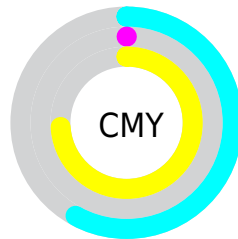
- Red (42%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (84%)



- Cyan (58%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0391, 0.3166, 0.5549 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 75.0391, 0.3166, 0.5549 by changing the saturation by 10% instead.


 75.0391, 0.3166,
0.5549


 75.0391, 0.3166,
0.5549


478.0520, 0.3241,
0.4442


 55.6449, 0.3121,
0.5801


 126.3677, 0.3214,
0.5162

 39.9183, 0.3050,
0.6107


 159.0709, 0.3226,
0.5011


 27.4749, 0.2936,
0.6477


 196.9793, 0.3234,
0.4882

 17.9302, 0.2753,
0.6924

 240.4772, 0.3238,
0.4770

 10.8999, 0.2478,
0.7522

 289.9490, 0.3240,
0.4672

 5.9995, 0.1971,
0.8029

345.7791, 0.3241,

 2.8448, 0.0975,

0.4586

0.9025

408.3520, 0.3241,
0.4510

■ 1.0513, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.0391, 0.3166,
0.5549

■ 75.0391, 0.3166,
0.5549

■ 73.7071, 0.3133,
0.5760

■ 76.7967, 0.3189,
0.5274

■ 72.7521, 0.3093,
0.5895


■ 79.0043, 0.3200,
0.4957


■ 72.3433, 0.3070,
0.5945

■ 81.6952, 0.3200,
0.4619

■ 84.8967, 0.3192,
0.4282

 88.6342, 0.3178,
0.3959

 92.9311, 0.3158,
0.3662

 97.8097, 0.3137,
0.3392

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



75.0391, 0.4212, 0.5249



75.0391, 0.3166, 0.5549



75.0391, 0.2162, 0.4721

Triad

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



75.0391, 0.3166, 0.5549



75.0391, 0.1363, 0.1735



75.0391, 0.5025, 0.2927

Complementary

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



75.0391, 0.3166, 0.5549



25.3927, 0.2804, 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.



75.0391, 0.3902, 0.2283



75.0391, 0.3166, 0.5549



75.0391, 0.1820, 0.1632

Square

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



75.0391, 0.3166, 0.5549



75.0391, 0.1249, 0.2226



75.0391, 0.2684, 0.1826



75.0391, 0.5443, 0.3657

Rectangle

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



75.0391, 0.3166, 0.5549



75.0391, 0.1663, 0.3745



75.0391, 0.2684, 0.1826



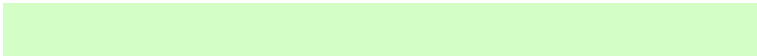
75.0391, 0.4705, 0.2699

Sweetspot

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



75.0423, 0.3166, 0.5549



89.5027, 0.3174, 0.3894



68.1875, 0.4409, 0.4591



18.9218, 0.3179, 0.3978



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.



75.0423, 0.3166, 0.5549



73.1989, 0.3114, 0.5836



73.9453, 0.2862, 0.5140



20.3585, 0.3149, 0.3533



37.8545, 0.3078, 0.5938



3.7309, 0.3150, 0.5881

Inverse Universe

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



25.3927, 0.2804, 0.1493



21.1233, 0.2716, 0.1309



29.5412, 0.3760, 0.2051



18.0894, 0.3103, 0.3053



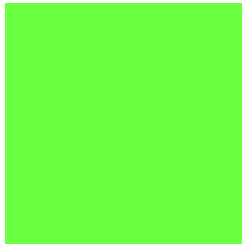
10.2240, 0.2663, 0.1240



1.0425, 0.2728, 0.1276

Previews

White Background



This preview shows how the Yxy color 75.0391, 0.3166, 0.5549 looks on a white background.

Color Contrast Check

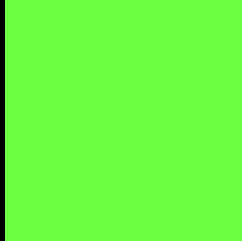
Large Text (above 18pt) WCAG AA × Fail

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 75.0391, 0.3166, 0.5549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

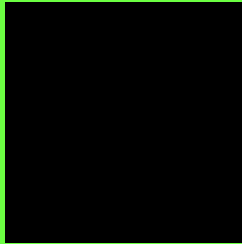
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

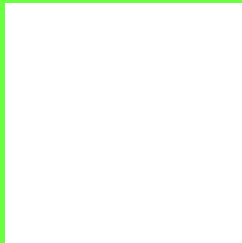
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.0391, 0.3166, 0.5549

Background



This preview shows how black text looks on a background with the Yxy color 75.0391, 0.3166, 0.5549.

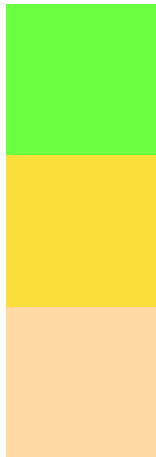


This preview shows how white text looks on a background with the Yxy color 75.0391, 0.3166, 0.5549.

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

75.0391, 0.3166, 0.5549

Protanopia

73.4048, 0.4305, 0.4747

Deuteranopia

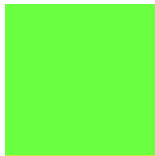
73.5660, 0.3793, 0.3835



Tritanopia

74.4638, 0.2538, 0.3083

Trichromacy



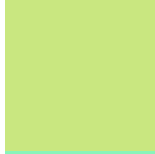
Original Color

75.0391, 0.3166, 0.5549



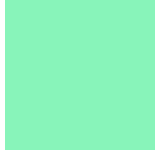
Protanomaly

71.7594, 0.3818, 0.5088



Deuteranomaly

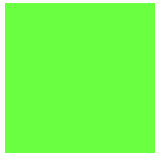
71.1278, 0.3560, 0.4477



Tritanomaly

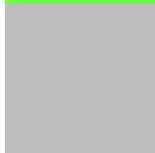
73.4808, 0.2810, 0.4020

Monochromacy



Original Color

75.0391, 0.3166, 0.5549



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.9730, 0.3190, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0391, 0.3166, 0.5549 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(107, 255, 66)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 66)  
}
```

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(107, 255, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 66) }
```

Border

The CSS property to change the border of an element to Yxy 75.0391, 0.3166, 0.5549 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(107, 255, 66) }
```

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

```
.border{ border-color:rgb(107, 255, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0391, 0.3166, 0.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 66) }
```

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

```
.background{ background-color: rgb(107,  
255, 66) }
```

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