

Converting Colors

$Y_{xy}(75.8056, 0.3297, 0.5659)$

Have a look what the booklet for
Yxy(75.8056, 0.3297, 0.5659)
contains.

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Color

Yxy(75.7849, 0.3295, 0.5661)

Conversions

Conversions Part 1

Format	Color
Hex	7AFF24
RGB	122, 255, 36
RGB Percent	48%, 100%, 14%
CMY	0.5214, 0.0000, 0.8586
CMYK	0.52, 0.00, 0.86, 0.00
HSL	96°, 100%, 57%
HSV	96°, 86%, 100%
XYZ	44.1108, 75.7849, 13.9762
YIQ	190.2670, -8.9690, -96.3050

Conversions

Conversions Part 2

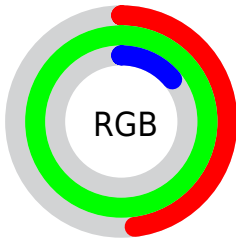
Format	Color
RYB	36, 255, 169
Decimal	8060708
CIELab	89.76, -68.75, 81.46
CIELCh	90, 106.588, 130.163
Yxy	75.7849, 0.3295, 0.5661
Android (android.graphics.Color)	4286250788 (0xFF7AFF24)
YUV	190.2670, -76.0536, -59.8702
Hunter-Lab	87.0545, -61.8989, 51.4194

Details

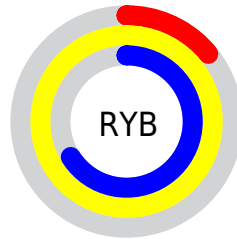
The Yxy color **75.7849, 0.3295, 0.5661** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **16.9216, 0.2368, 0.1143**, and the grayscale version is **52.1193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8542, 0.3483, 0.4948**, and **40.5855, 0.3098, 0.5922** is the 20% darker color. If you saturate the color by 10%, you get **74.6412, 0.3243, 0.5787**, and if you desaturate by 10%, it is **77.2259, 0.3331, 0.5470**.

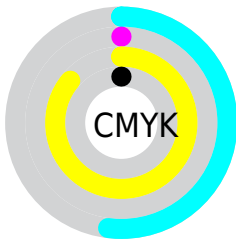
Distribution



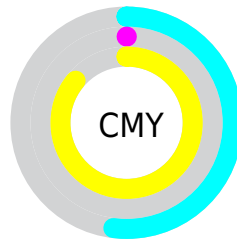
- Red (48%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (66%)



- Cyan (52%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7849, 0.3295, 0.5661 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 75.7849, 0.3295, 0.5661 by changing the saturation by 10% instead.


 75.7849, 0.3295,
0.5661

 75.7849, 0.3295,
0.5661


480.6111, 0.3330,
0.4521

 56.2561, 0.3252,
0.5911


 127.4228, 0.3334,
0.5269


 40.4083, 0.3182,
0.6206


 160.3007, 0.3342,
0.5115


 27.8571, 0.3065,
0.6554


 198.3972, 0.3344,
0.4981

 18.2179, 0.2889,
0.6994

 242.0966, 0.3344,
0.4865

 11.1066, 0.2570,
0.7430

 291.7832, 0.3342,
0.4763

 6.1386, 0.2081,
0.7919

347.8416, 0.3339,

 2.9295, 0.1204,

0.4673

0.8796

410.6561, 0.3334,
0.4592

■ 1.0950, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.7849, 0.3295,
0.5661

■ 75.7849, 0.3295,
0.5661

■ 74.6412, 0.3243,
0.5787


■ 77.2259, 0.3331,
0.5470


■ 74.2369, 0.3220,
0.5825


■ 78.9826, 0.3348,
0.5223

■ 81.0819, 0.3346,
0.4935

■ 83.5450, 0.3327,
0.4624

 86.3908, 0.3295,
0.4307

 89.6369, 0.3254,
0.3997

 93.2995, 0.3207,
0.3705

 97.3940, 0.3157,
0.3436

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



75.7849, 0.4360, 0.5206



75.7849, 0.3295, 0.5661



75.7849, 0.2242, 0.4970

Triad

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



75.7849, 0.3295, 0.5661



75.7849, 0.1280, 0.1726



75.7849, 0.4977, 0.2813

Complementary

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



75.7849, 0.3295, 0.5661



16.9216, 0.2368, 0.1143

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.



75.7849, 0.3752, 0.2174



75.7849, 0.3295, 0.5661



75.7849, 0.1695, 0.1580

Square

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



75.7849, 0.3295, 0.5661



75.7849, 0.1205, 0.2289



75.7849, 0.2521, 0.1740



75.7849, 0.5520, 0.3546

Rectangle

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



75.7849, 0.3295, 0.5661



75.7849, 0.1695, 0.3965



75.7849, 0.2521, 0.1740



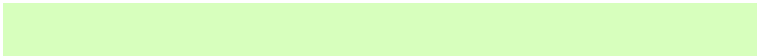
75.7849, 0.4615, 0.2585

Sweetspot

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



75.7881, 0.3295, 0.5661



89.5889, 0.3255, 0.4002



49.1809, 0.4913, 0.4357



18.9255, 0.3270, 0.4107



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.



75.7881, 0.3295, 0.5661



74.2382, 0.3220, 0.5825



72.2001, 0.2970, 0.5757



20.5160, 0.3175, 0.3531



38.8713, 0.3231, 0.5816



3.8458, 0.3319, 0.5747

Inverse Universe

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



16.9216, 0.2368, 0.1143



14.1733, 0.2231, 0.1002



28.4146, 0.3437, 0.1725



17.9235, 0.3075, 0.3051



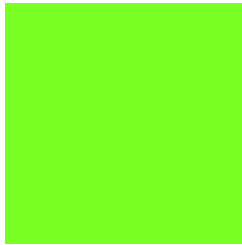
7.4948, 0.2246, 0.1011



0.7930, 0.2353, 0.1070

Previews

White Background



This preview shows how the Yxy color 75.7849, 0.3295, 0.5661 looks on a white background.

Color Contrast Check

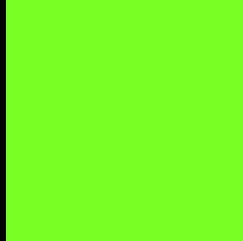
Large Text (above 18pt) WCAG AA × Fail

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 75.7849, 0.3295, 0.5661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

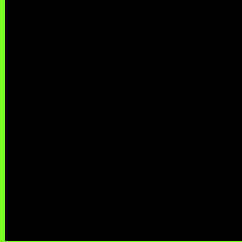
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

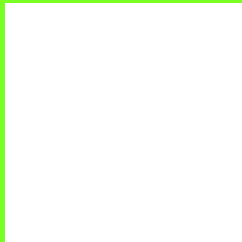
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7849, 0.3295, 0.5661

Background



This preview shows how black text looks on a background with the Yxy color 75.7849, 0.3295, 0.5661.

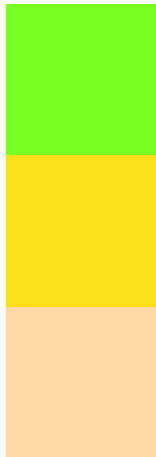


This preview shows how white text looks on a background with the Yxy color 75.7849, 0.3295, 0.5661.

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

75.7849, 0.3295, 0.5661

Protanopia

74.0813, 0.4384, 0.4848

Deuteranopia

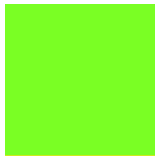
74.1560, 0.3775, 0.3825



Tritanopia

75.3654, 0.2581, 0.3086

Trichromacy



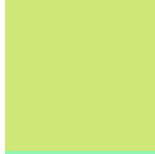
Original Color

75.7849, 0.3295, 0.5661



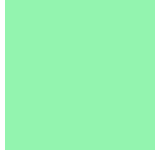
Protanomaly

72.4895, 0.3939, 0.5181



Deuteranomaly

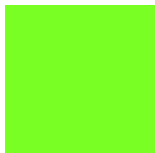
71.7491, 0.3656, 0.4551



Tritanomaly

73.9996, 0.2925, 0.4152

Monochromacy



Original Color

75.7849, 0.3295, 0.5661



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.8137, 0.3296, 0.4344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7849, 0.3295, 0.5661 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(122, 255, 36)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 36)  
}
```

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(122, 255, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 36) }
```

Border

The CSS property to change the border of an element to Yxy 75.7849, 0.3295, 0.5661 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(122, 255, 36) }
```

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

```
.border{ border-color:rgb(122, 255, 36) }
```

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

Here you see how a box with a 4 pixel rgb(122, 255, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 36);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7849, 0.3295, 0.5661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 36) }
```

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

```
.background{ background-color: rgb(122,  
255, 36) }
```

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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