

Converting Colors

$Y_{xy}(75.5369, 0.3052, 0.5230)$

Have a look what the booklet for
Yxy(75.5369, 0.3052, 0.5230)
contains.

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Color

Yxy(75.5435, 0.3053, 0.5229)

Conversions

Conversions Part 1

Format	Color
Hex	6AFF66
RGB	106, 255, 102
RGB Percent	42%, 100%, 40%
CMY	0.5841, 0.0000, 0.6001
CMYK	0.58, 0.00, 0.60, 0.00
HSL	118°, 100%, 70%
HSV	118°, 60%, 100%
XYZ	44.1068, 75.5435, 24.8200
YIQ	193.0070, -39.6910, -79.1710

Conversions

Conversions Part 2

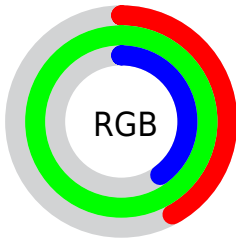
Format	Color
RYB	102, 255, 251
Decimal	7012198
CIELab	89.65, -68.27, 59.98
CIELCh	90, 90.875, 138.701
Yxy	75.5435, 0.3053, 0.5229
Android (android.graphics.Color)	4285202278 (0xFF6AFF66)
YUV	193.0070, -44.8665, -76.3051
Hunter-Lab	86.9158, -61.5200, 43.9100

Details

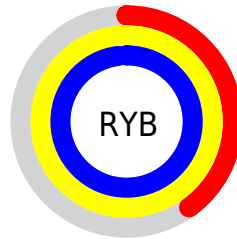
The Yxy color **75.5435, 0.3053, 0.5229** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.2110, 0.3155, 0.1877**, and the grayscale version is **53.6291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3893, 0.3141, 0.4446**, and **40.2604, 0.2953, 0.5741** is the 20% darker color. If you saturate the color by 10%, you get **73.8083, 0.3037, 0.5535**, and if you desaturate by 10%, it is **77.8804, 0.3069, 0.4882**.

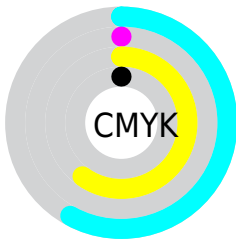
Distribution



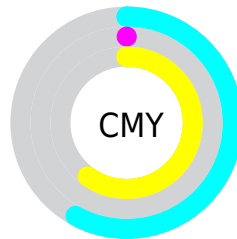
- Red (42%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (98%)



- Cyan (58%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5435, 0.3053, 0.5229 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 75.5435, 0.3053, 0.5229 by changing the saturation by 10% instead.


 75.5435, 0.3053,
0.5229


 75.5435, 0.3053,
0.5229


479.7836, 0.3149,
0.4268


 56.0583, 0.3013,
0.5457


 127.0814, 0.3101,
0.4887

 40.2496, 0.2953,
0.5738


 159.9029, 0.3115,
0.4756

 27.7332, 0.2862,
0.6093


 197.9385, 0.3125,
0.4645

 18.1247, 0.2716,
0.6543

 241.5728, 0.3133,
0.4548

 11.0395, 0.2484,
0.7138

291.1900, 0.3139,
0.4465

 6.0934, 0.2093,
0.7907


347.1746, 0.3143,


 2.9020, 0.1213,


0.4391


0.8787


409.9110, 0.3146,
0.4326


 1.0808, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.5435, 0.3053,
0.5229

 75.5435, 0.3053,
0.5229


 73.8083, 0.3037,
0.5535


 77.8804, 0.3069,
0.4882


 72.6116, 0.3022,
0.5774

 80.8571, 0.3084,
0.4521

 71.8927, 0.3011,
0.5926

 84.5192, 0.3098,
0.4170

 71.5636, 0.3004,
0.5997

 88.9057, 0.3109,
0.3843

 94.0527, 0.3119,
0.3549

99.9939, 0.3127,
0.3290

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



75.5435, 0.4019, 0.5157



75.5435, 0.3053, 0.5229



75.5435, 0.2156, 0.4359

Triad

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



75.5435, 0.3053, 0.5229



75.5435, 0.1550, 0.1838



75.5435, 0.4927, 0.3083

Complementary

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



75.5435, 0.3053, 0.5229



37.2110, 0.3155, 0.1877

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.



75.5435, 0.3997, 0.2460



75.5435, 0.3053, 0.5229



75.5435, 0.2036, 0.1779

Square

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



75.5435, 0.3053, 0.5229



75.5435, 0.1398, 0.2246



75.5435, 0.2889, 0.1999



75.5435, 0.5211, 0.3783

Rectangle

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



75.5435, 0.3053, 0.5229



75.5435, 0.1727, 0.3514



75.5435, 0.2889, 0.1999



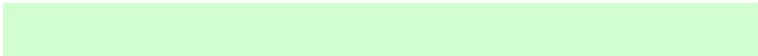
75.5435, 0.4672, 0.2864

Sweetspot

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



75.5467, 0.3053, 0.5229



89.8780, 0.3112, 0.3782



90.5270, 0.4005, 0.4660



18.9384, 0.3109, 0.3872



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.



75.5467, 0.3053, 0.5229



73.5291, 0.3034, 0.5589



77.3752, 0.2738, 0.4340



20.1913, 0.3120, 0.3535



37.4037, 0.3005, 0.5996



3.6496, 0.3019, 0.5985

Inverse Universe

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



37.2110, 0.3155, 0.1877



32.1191, 0.3154, 0.1694



34.2017, 0.3967, 0.2485



18.2742, 0.3134, 0.3056



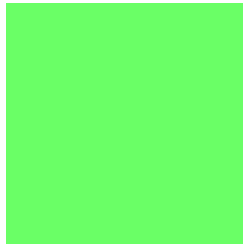
14.2293, 0.3143, 0.1505



1.3930, 0.3151, 0.1509

Previews

White Background



This preview shows how the Yxy color 75.5435, 0.3053, 0.5229 looks on a white background.

Color Contrast Check

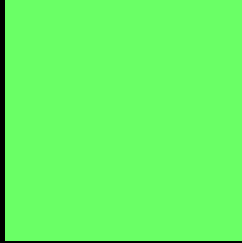
Large Text (above 18pt) WCAG AA × Fail

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 75.5435, 0.3053, 0.5229 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 75.5435, 0.3053, 0.5229

Background



This preview shows how black text looks on a background with the Yxy color 75.5435, 0.3053, 0.5229.

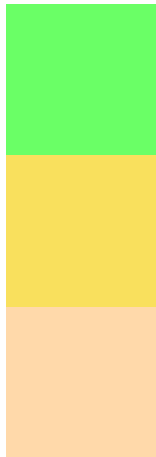


This preview shows how white text looks on a background with the Yxy color 75.5435, 0.3053, 0.5229.

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

75.5435, 0.3053, 0.5229

Protanopia

74.2414, 0.4152, 0.4553

Deuteranopia

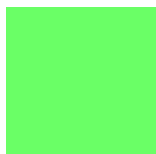
73.7880, 0.3750, 0.3774



Tritanopia

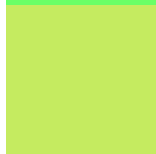
75.1414, 0.2544, 0.3095

Trichromacy



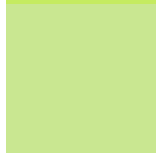
Original Color

75.5435, 0.3053, 0.5229



Protanomaly

72.1315, 0.3679, 0.4839



Deuteranomaly

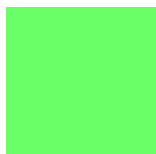
71.6137, 0.3460, 0.4289



Tritanomaly

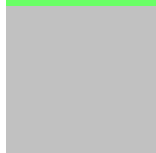
74.0591, 0.2745, 0.3849

Monochromacy



Original Color

75.5435, 0.3053, 0.5229



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.2269, 0.3100, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5435, 0.3053, 0.5229 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(106, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 102)  
}
```

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(106, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 75.5435, 0.3053, 0.5229 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(106, 255, 102) }
```

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

```
.border{ border-color:rgb(106, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5435, 0.3053, 0.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 102) }
```

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

```
.background{ background-color: rgb(106,  
255, 102) }
```

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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