

Converting Colors

$Y_{xy}(75.6527, 0.3060, 0.5225)$

Have a look what the booklet for
Yxy(75.6527, 0.3060, 0.5225)
contains.

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Color

Yxy(75.6675, 0.3061, 0.5224)

Conversions

Conversions Part 1

Format	Color
Hex	6CFF66
RGB	108, 255, 102
RGB Percent	42%, 100%, 40%
CMY	0.5767, 0.0000, 0.5999
CMYK	0.58, 0.00, 0.60, 0.00
HSL	118°, 100%, 70%
HSV	118°, 60%, 100%
XYZ	44.3373, 75.6675, 24.8411
YIQ	193.6050, -38.4990, -78.7470

Conversions

Conversions Part 2

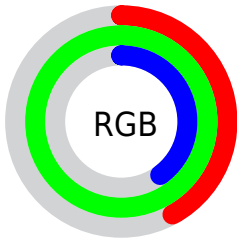
Format	Color
RYB	102, 255, 249
Decimal	7143270
CIELab	89.70, -67.85, 60.04
CIELCh	90, 90.600, 138.493
Yxy	75.6675, 0.3061, 0.5224
Android (android.graphics.Color)	4285333350 (0xFF6CFF66)
YUV	193.6050, -45.1613, -75.0756
Hunter-Lab	86.9871, -61.2459, 43.9594

Details

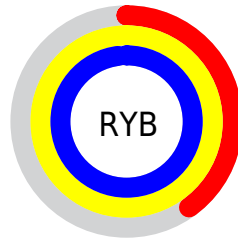
The Yxy color **75.6675, 0.3061, 0.5224** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.8788, 0.3138, 0.1870**, and the grayscale version is **53.9809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6122, 0.3153, 0.4441**, and **40.3416, 0.2965, 0.5732** is the 20% darker color. If you saturate the color by 10%, you get **73.9074, 0.3044, 0.5530**, and if you desaturate by 10%, it is **78.0077, 0.3077, 0.4877**.

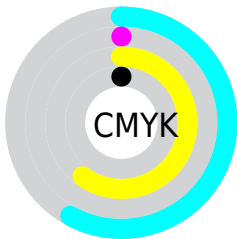
Distribution



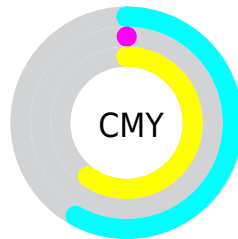
- Red (42%)
- Green (100%)
- Blue (40%)



- 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 75.6675, 0.3061, 0.5224 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 75.6675, 0.3061, 0.5224 by changing the saturation by 10% instead.


 75.6675, 0.3061,
0.5224


 75.6675, 0.3061,
0.5224


480.2087, 0.3153,
0.4266

 56.1599, 0.3022,
0.5451

 127.2568, 0.3107,
0.4883

 40.3311, 0.2963,
0.5731


 160.1073, 0.3121,
0.4753

 27.7968, 0.2873,
0.6084


 198.1742, 0.3131,
0.4642

 18.1726, 0.2730,
0.6532

 241.8419, 0.3138,
0.4546

 11.0739, 0.2500,
0.7122

291.4948, 0.3144,
0.4462

 6.1166, 0.2112,
0.7888


347.5173, 0.3148,

 2.9161, 0.1251,

0.4389

0.8749


410.2938, 0.3151,
0.4324

 1.0881, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6675, 0.3061,
0.5224


 75.6675, 0.3061,
0.5224


 73.9074, 0.3044,
0.5530


 78.0077, 0.3077,
0.4877


 72.6863, 0.3028,
0.5769

 80.9847, 0.3091,
0.4518


 71.9394, 0.3015,
0.5923

 84.6363, 0.3103,
0.4168

 71.5838, 0.3006,
0.5996

 89.0003, 0.3113,
0.3842

 71.5837, 0.3006,
0.5996

 94.1117, 0.3121,
0.3549

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.



75.6675, 0.4024, 0.5148



75.6675, 0.3061, 0.5224



75.6675, 0.2164, 0.4363

Triad

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



75.6675, 0.3061, 0.5224



75.6675, 0.1552, 0.1844



75.6675, 0.4916, 0.3080

Complementary

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



75.6675, 0.3061, 0.5224



36.8788, 0.3138, 0.1870

Split Complementary

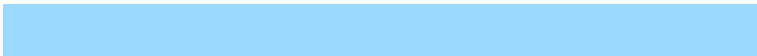
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6675, 0.3986, 0.2459



75.6675, 0.3061, 0.5224



75.6675, 0.2035, 0.1782

Square

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



75.6675, 0.3061, 0.5224



75.6675, 0.1402, 0.2254



75.6675, 0.2883, 0.2000



75.6675, 0.5205, 0.3778

Rectangle

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



75.6675, 0.3061, 0.5224



75.6675, 0.1735, 0.3522



75.6675, 0.2883, 0.2000



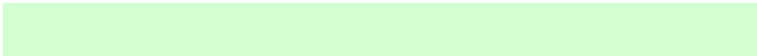
75.6675, 0.4660, 0.2861

Sweetspot

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



75.6638, 0.3061, 0.5224



89.9592, 0.3115, 0.3781



88.9558, 0.4018, 0.4642



18.9577, 0.3112, 0.3871



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.



75.6638, 0.3061, 0.5224



73.6214, 0.3041, 0.5584



77.2804, 0.2750, 0.4374



20.2017, 0.3121, 0.3535



37.4185, 0.3008, 0.5994



3.6546, 0.3027, 0.5979

Inverse Universe

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



36.8788, 0.3138, 0.1870



31.7138, 0.3133, 0.1684



34.3171, 0.3935, 0.2461



18.2624, 0.3132, 0.3055



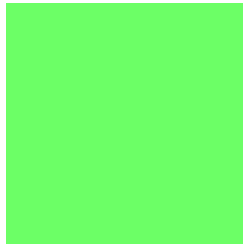
13.9436, 0.3112, 0.1488



1.3684, 0.3124, 0.1495

Previews

White Background



This preview shows how the Yxy color 75.6675, 0.3061, 0.5224 looks on a white background.

Color Contrast Check

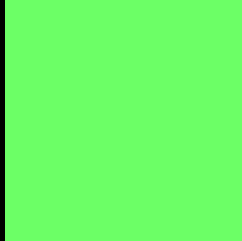
Large Text (above 18pt) WCAG AA × Fail

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 75.6675, 0.3061, 0.5224 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

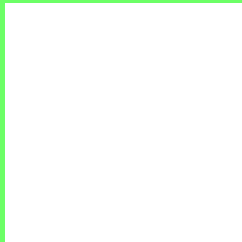
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6675, 0.3061, 0.5224

Background



This preview shows how black text looks on a background with the Yxy color 75.6675, 0.3061, 0.5224.

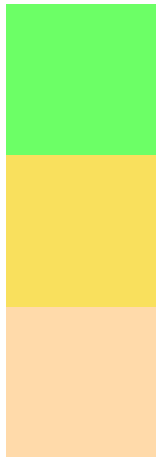


This preview shows how white text looks on a background with the Yxy color 75.6675, 0.3061, 0.5224.

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

75.6675, 0.3061, 0.5224

Protanopia

74.2414, 0.4152, 0.4553

Deuteranopia

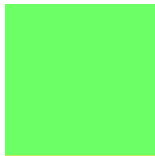
74.3051, 0.3746, 0.3784



Tritanopia

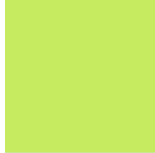
75.2391, 0.2549, 0.3096

Trichromacy



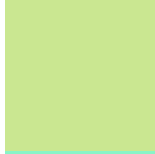
Original Color

75.6675, 0.3061, 0.5224



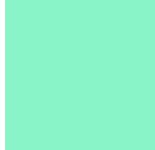
Protanomaly

72.2670, 0.3687, 0.4834



Deuteranomaly

71.7527, 0.3468, 0.4287



Tritanomaly

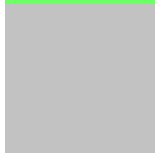
74.1433, 0.2750, 0.3848

Monochromacy



Original Color

75.6675, 0.3061, 0.5224



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4715, 0.3107, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6675, 0.3061, 0.5224 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(108, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 75.6675, 0.3061, 0.5224 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(108, 255, 102) }
```

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

```
.border{ border-color:rgb(108, 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(108, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6675, 0.3061, 0.5224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 102) }
```

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

```
.background{ background-color: rgb(108,  
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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