

Converting Colors

Yxy(75.4354, 0.3045, 0.5233)

Have a look what the booklet for
Yxy(75.4354, 0.3045, 0.5233)
contains.

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Color

Yxy(75.4224, 0.3044, 0.5234)

Conversions

Conversions Part 1

Format	Color
Hex	68FF66
RGB	104, 255, 102
RGB Percent	41%, 100%, 40%
CMY	0.5923, 0.0000, 0.6000
CMYK	0.59, 0.00, 0.60, 0.00
HSL	119°, 100%, 70%
HSV	119°, 60%, 100%
XYZ	43.8643, 75.4224, 24.8142
YIQ	192.4090, -40.8830, -79.5950

Conversions

Conversions Part 2

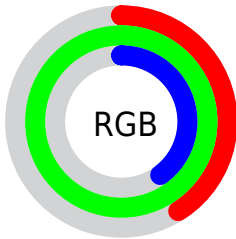
Format	Color
RYB	102, 255, 253
Decimal	6881126
CIELab	89.59, -68.74, 59.89
CIElCh	90, 91.169, 138.936
Yxy	75.4224, 0.3044, 0.5234
Android (android.graphics.Color)	4285071206 (0xFF68FF66)
YUV	192.4090, -44.5716, -77.5347
Hunter-Lab	86.8461, -61.8237, 43.8516

Details

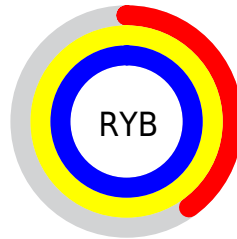
The Yxy color **75.4224, 0.3044, 0.5234** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.6092, 0.3175, 0.1886**, and the grayscale version is **53.2417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2792, 0.3135, 0.4448**, and **40.1931, 0.2943, 0.5748** is the 20% darker color. If you saturate the color by 10%, you get **73.7024, 0.3029, 0.5541**, and if you desaturate by 10%, it is **77.7435, 0.3060, 0.4886**.

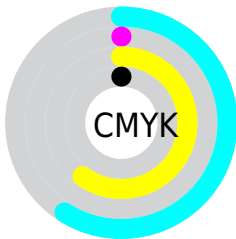
Distribution



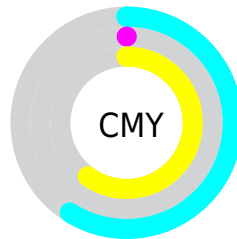
- Red (41%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (99%)



- Cyan (59%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4224, 0.3044, 0.5234 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 75.4224, 0.3044, 0.5234 by changing the saturation by 10% instead.


 75.4224, 0.3044,
0.5234


 75.4224, 0.3044,
0.5234


479.3682, 0.3144,
0.4270

 55.9590, 0.3003,
0.5463

 126.9101, 0.3093,
0.4891


 40.1701, 0.2942,
0.5746


 159.7032, 0.3108,
0.4759

 27.6712, 0.2849,
0.6102


 197.7083, 0.3119,
0.4647

 18.0779, 0.2701,
0.6556

 241.3099, 0.3127,
0.4551

 11.0059, 0.2466,
0.7154

290.8922, 0.3133,
0.4467

 6.0708, 0.2071,
0.7929


346.8398, 0.3138,

 2.8882, 0.1172,

0.4393

0.8828


409.5370, 0.3142,
0.4328

 1.0736, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.4224, 0.3044,
0.5234

 75.4224, 0.3044,
0.5234

 73.7024, 0.3029,
0.5541

 77.7435, 0.3060,
0.4886

 72.5330, 0.3016,
0.5778


 80.7205, 0.3076,
0.4524

 71.8457, 0.3007,
0.5929

 84.3957, 0.3092,
0.4171

 71.5412, 0.3002,
0.5999

 88.8094, 0.3105,
0.3844

 93.9989, 0.3117,
0.3549

99.9989, 0.3127,
0.3290

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.



75.4224, 0.4014, 0.5166



75.4224, 0.3044, 0.5234



75.4224, 0.2146, 0.4353

Triad

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



75.4224, 0.3044, 0.5234



75.4224, 0.1548, 0.1832



75.4224, 0.4938, 0.3087

Complementary

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



75.4224, 0.3044, 0.5234



37.6092, 0.3175, 0.1886

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.



75.4224, 0.4009, 0.2462



75.4224, 0.3044, 0.5234



75.4224, 0.2038, 0.1775

Square

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



75.4224, 0.3044, 0.5234



75.4224, 0.1393, 0.2238



75.4224, 0.2896, 0.1998



75.4224, 0.5217, 0.3788

Rectangle

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



75.4224, 0.3044, 0.5234



75.4224, 0.1719, 0.3504



75.4224, 0.2896, 0.1998



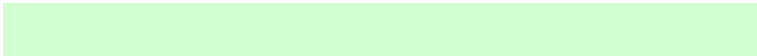
75.4224, 0.4684, 0.2867

Sweetspot

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



75.4205, 0.3044, 0.5234



89.7850, 0.3108, 0.3782



92.1230, 0.3991, 0.4678



18.9163, 0.3104, 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.



75.4205, 0.3044, 0.5234



73.4268, 0.3026, 0.5594



77.4771, 0.2727, 0.4305



20.1793, 0.3118, 0.3536



37.3867, 0.3003, 0.5998



3.6440, 0.3009, 0.5993

Inverse Universe

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



37.6092, 0.3175, 0.1886



32.5907, 0.3178, 0.1706



34.1001, 0.3998, 0.2509



18.2877, 0.3136, 0.3056



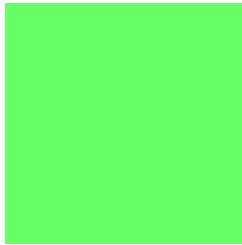
14.5634, 0.3177, 0.1524



1.4217, 0.3181, 0.1526

Previews

White Background



This preview shows how the Yxy color 75.4224, 0.3044, 0.5234 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 75.4224, 0.3044, 0.5234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

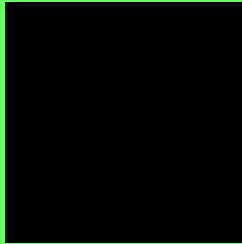
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

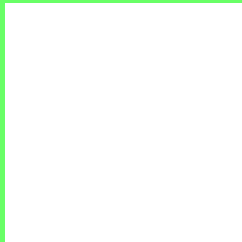
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4224, 0.3044, 0.5234

Background



This preview shows how black text looks on a background with the Yxy color 75.4224, 0.3044, 0.5234.

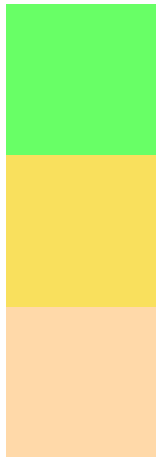


This preview shows how white text looks on a background with the Yxy color 75.4224, 0.3044, 0.5234.

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

75.4224, 0.3044, 0.5234

Protanopia

74.2414, 0.4152, 0.4553

Deuteranopia

73.7503, 0.3757, 0.3784



Tritanopia

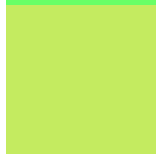
75.0445, 0.2539, 0.3095

Trichromacy



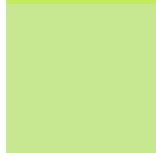
Original Color

75.4224, 0.3044, 0.5234



Protanomaly

71.9970, 0.3672, 0.4843



Deuteranomaly

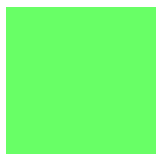
71.4755, 0.3453, 0.4292



Tritanomaly

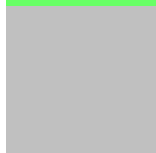
73.9758, 0.2740, 0.3850

Monochromacy



Original Color

75.4224, 0.3044, 0.5234



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.5777, 0.3099, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4224, 0.3044, 0.5234 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(104, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 75.4224, 0.3044, 0.5234 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(104, 255, 102) }
```

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

```
.border{ border-color:rgb(104, 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(104, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4224, 0.3044, 0.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 102) }
```

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

```
.background{ background-color: rgb(104,  
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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