

Converting Colors

$Yxy(80.0242, 0.2972, 0.5147)$

Have a look what the booklet for
Yxy(80.0242, 0.2972, 0.5147)
contains.

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Color

Yxy(75.3545, 0.2972, 0.5102)

Conversions

Conversions Part 1

Format	Color
Hex	62FF73
RGB	98, 255, 115
RGB Percent	38%, 100%, 45%
CMY	0.6155, 0.0000, 0.5491
CMYK	0.62, 0.00, 0.55, 0.00
HSL	126°, 100%, 69%
HSV	126°, 62%, 100%
XYZ	43.8953, 75.3545, 28.4462
YIQ	192.0970, -48.6320, -76.8240

Conversions

Conversions Part 2

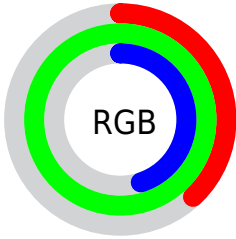
Format	Color
RYB	98, 240, 255
Decimal	6487923
CIELab	89.56, -68.51, 54.14
CIELCh	90, 87.323, 141.682
Yxy	75.3545, 0.2972, 0.5102
Android (android.graphics.Color)	4284678003 (0xFF62FF73)
YUV	192.0970, -38.0088, -82.5231
Hunter-Lab	86.8070, -61.6510, 41.3358

Details

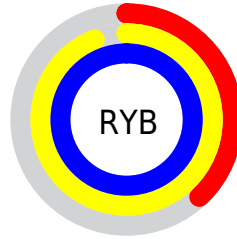
The Yxy color **75.3545, 0.2972, 0.5102** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.1831, 0.3356, 0.1989**, and the grayscale version is **53.0287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1037, 0.3035, 0.4302**, and **40.2694, 0.2883, 0.5580** is the 20% darker color. If you saturate the color by 10%, you get **73.6961, 0.2963, 0.5403**, and if you desaturate by 10%, it is **77.5995, 0.2989, 0.4774**.

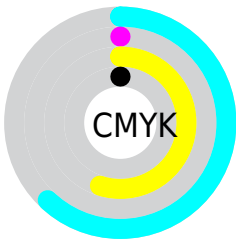
Distribution



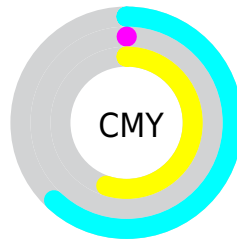
- Red (38%)
- Green (100%)
- Blue (45%)



- Red (38%)
- Yellow (94%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3545, 0.2972, 0.5102 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 75.3545, 0.2972, 0.5102 by changing the saturation by 10% instead.


 75.3545, 0.2972,
0.5102


 75.3545, 0.2972,
0.5102


479.1351, 0.3095,
0.4200

 55.9034, 0.2929,
0.5319


 126.8140, 0.3026,
0.4779

 40.1254, 0.2868,
0.5589


 159.5912, 0.3044,
0.4656

 27.6364, 0.2777,
0.5934


 197.5792, 0.3058,
0.4551

 18.0517, 0.2637,
0.6381

241.1624, 0.3069,
0.4461

 10.9871, 0.2409,
0.6967

290.7252, 0.3078,
0.4383

 6.0582, 0.2078,
0.7922


346.6520, 0.3085,

 2.8805, 0.1180,


0.4314

0.8820


409.3272, 0.3091,
0.4254


 1.0697, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.3545, 0.2972,
0.5102


 75.3545, 0.2972,
0.5102


 73.6961, 0.2963,
0.5403


 77.5995, 0.2989,
0.4774


 72.5615, 0.2964,
0.5656


 80.4700, 0.3011,
0.4442

 71.8887, 0.2973,
0.5840

 84.0114, 0.3038,
0.4122

 71.6015, 0.2983,
0.5939

 88.2626, 0.3066,
0.3826

 93.2594, 0.3095,
0.3559

 99.0352, 0.3123,
0.3324

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.



75.3545, 0.3914, 0.5135



75.3545, 0.2972, 0.5102



75.3545, 0.2121, 0.4197

Triad

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



75.3545, 0.2972, 0.5102



75.3545, 0.1628, 0.1864



75.3545, 0.4919, 0.3163

Complementary

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



75.3545, 0.2972, 0.5102



36.1831, 0.3356, 0.1989

Split Complementary

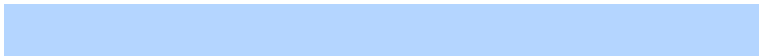
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3545, 0.4071, 0.2543



75.3545, 0.2972, 0.5102



75.3545, 0.2139, 0.1832

Square

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



75.3545, 0.2972, 0.5102



75.3545, 0.1448, 0.2227



75.3545, 0.3000, 0.2072



75.3545, 0.5131, 0.3852

Rectangle

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



75.3545, 0.2972, 0.5102



75.3545, 0.1727, 0.3393



75.3545, 0.3000, 0.2072



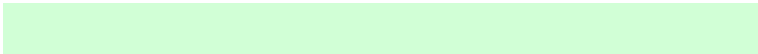
75.3545, 0.4694, 0.2946

Sweetspot

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



75.3574, 0.2972, 0.5102



89.9476, 0.3076, 0.3728



90.8069, 0.3884, 0.4787



18.9551, 0.3068, 0.3808



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.



75.3574, 0.2972, 0.5102



73.3712, 0.2963, 0.5471



77.9355, 0.2640, 0.4088



20.2000, 0.3101, 0.3509



37.4235, 0.2979, 0.5925



3.6537, 0.2940, 0.5785

Inverse Universe

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



36.1831, 0.3356, 0.1989



31.1691, 0.3409, 0.1827



32.5733, 0.4272, 0.2675



18.2646, 0.3155, 0.3081



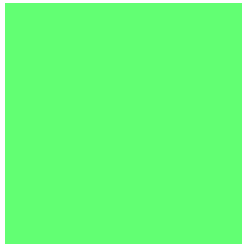
14.0345, 0.3502, 0.1703



1.3758, 0.3464, 0.1682

Previews

White Background



This preview shows how the Yxy color 75.3545, 0.2972, 0.5102 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 75.3545, 0.2972, 0.5102 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 75.3545, 0.2972, 0.5102

Background



This preview shows how black text looks on a background with the Yxy color 75.3545, 0.2972, 0.5102.

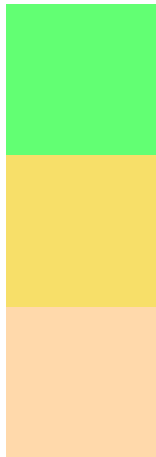


This preview shows how white text looks on a background with the Yxy color 75.3545, 0.2972, 0.5102.

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

75.3545, 0.2972, 0.5102

Protanopia

73.5694, 0.4081, 0.4462

Deuteranopia

73.8260, 0.3742, 0.3764



Tritanopia

74.8531, 0.2530, 0.3095

Trichromacy



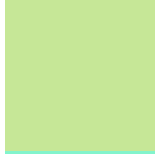
Original Color

75.3545, 0.2972, 0.5102



Protanomaly

71.8582, 0.3588, 0.4734



Deuteranomaly

71.3920, 0.3402, 0.4228



Tritanomaly

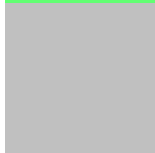
73.8863, 0.2696, 0.3787

Monochromacy



Original Color

75.3545, 0.2972, 0.5102



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.5503, 0.3054, 0.3964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3545, 0.2972, 0.5102 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(98, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(98, 255, 115)  
}
```

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(98, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 255, 115) }
```

Border

The CSS property to change the border of an element to Yxy 75.3545, 0.2972, 0.5102 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(98, 255, 115) }
```

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

```
.border{ border-color:rgb(98, 255, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 255, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(98, 255,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3545, 0.2972, 0.5102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 255, 115) }
```

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

```
.background{ background-color: rgb(98, 255,  
115) }
```

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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