

Converting Colors

$Y_{xy}(75.5370, 0.2995, 0.5117)$

Have a look what the booklet for
Yxy(75.5370, 0.2995, 0.5117)
contains.

Yxy(75.5370, 0.2995, 0.5117)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(75.5370, 0.2995, 0.5117)

Conversions

Conversions Part 1

Format	Color
Hex	66FF71
RGB	102, 255, 113
RGB Percent	40%, 100%, 44%
CMY	0.6004, 0.0000, 0.5569
CMYK	0.60, 0.00, 0.56, 0.00
HSL	124°, 100%, 70%
HSV	124°, 60%, 100%
XYZ	44.2121, 75.5370, 27.8706
YIQ	193.0650, -45.6060, -76.5980

Conversions

Conversions Part 2

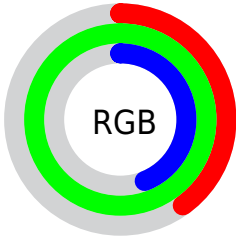
Format	Color
RYB	102, 245, 255
Decimal	6750065
CIELab	89.64, -67.95, 55.16
CIELCh	90, 87.520, 140.933
Yxy	75.5370, 0.2995, 0.5117
Android (android.graphics.Color)	4284940145 (0xFF66FF71)
YUV	193.0650, -39.4720, -79.8640
Hunter-Lab	86.9120, -61.2932, 41.8255

Details

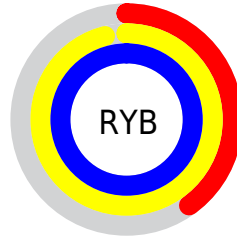
The Yxy color **75.5370, 0.2995, 0.5117** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.2713, 0.3296, 0.1972**, and the grayscale version is **53.6078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4541, 0.3068, 0.4320**, and **40.2741, 0.2894, 0.5602** is the 20% darker color. If you saturate the color by 10%, you get **73.8004, 0.2984, 0.5426**, and if you desaturate by 10%, it is **77.8597, 0.3012, 0.4780**.

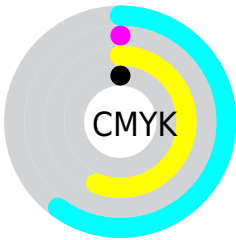
Distribution



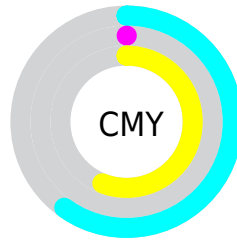
- Red (40%)
- Green (100%)
- Blue (44%)



- Red (40%)
- Yellow (96%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5370, 0.2995, 0.5117 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 75.5370, 0.2995, 0.5117 by changing the saturation by 10% instead.


 75.5370, 0.2995,
0.5117


 75.5370, 0.2995,
0.5117


479.7613, 0.3109,
0.4209


 56.0529, 0.2954,
0.5334


 127.0722, 0.3047,
0.4792

 40.2454, 0.2894,
0.5605

 159.8922, 0.3063,
0.4669

 27.7299, 0.2805,
0.5950


 197.9262, 0.3076,
0.4563

 18.1222, 0.2667,
0.6395

241.5587, 0.3086,
0.4472

 11.0377, 0.2441,
0.6976

291.1740, 0.3094,
0.4394

 6.0922, 0.2105,
0.7895


347.1567, 0.3100,


 2.9012, 0.1233,


0.4324


0.8767

409.8909, 0.3105,
0.4263


 1.0804, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.5370, 0.2995,
0.5117


 75.5370, 0.2995,
0.5117


 73.8004, 0.2984,
0.5426


 77.8597, 0.3012,
0.4780


 72.6112, 0.2980,
0.5681


 80.8322, 0.3033,
0.4437

 71.8994, 0.2984,
0.5863

 84.4924, 0.3056,
0.4108

 71.5652, 0.2991,
0.5966

 88.8795, 0.3081,
0.3804

 94.0298, 0.3104,
0.3531

99.9774, 0.3127,
0.3291

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.



75.5370, 0.3937, 0.5128



75.5370, 0.2995, 0.5117



75.5370, 0.2137, 0.4228

Triad

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



75.5370, 0.2995, 0.5117



75.5370, 0.1618, 0.1867



75.5370, 0.4907, 0.3146

Complementary

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



75.5370, 0.2995, 0.5117



37.2713, 0.3296, 0.1972

Split Complementary

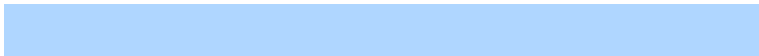
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5370, 0.4046, 0.2528



75.5370, 0.2995, 0.5117



75.5370, 0.2120, 0.1828

Square

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



75.5370, 0.2995, 0.5117



75.5370, 0.1445, 0.2240



75.5370, 0.2974, 0.2062



75.5370, 0.5136, 0.3835

Rectangle

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



75.5370, 0.2995, 0.5117



75.5370, 0.1737, 0.3422



75.5370, 0.2974, 0.2062



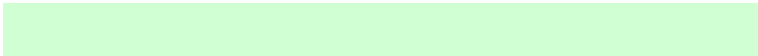
75.5370, 0.4676, 0.2929

Sweetspot

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



75.5317, 0.2995, 0.5117



89.8648, 0.3085, 0.3746



91.8530, 0.3907, 0.4738



18.9353, 0.3078, 0.3830



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.



75.5317, 0.2995, 0.5117



73.5258, 0.2983, 0.5481



77.9989, 0.2669, 0.4133



20.1895, 0.3106, 0.3518



37.4020, 0.2988, 0.5955



3.6488, 0.2959, 0.5854

Inverse Universe

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



37.2713, 0.3296, 0.1972



32.2105, 0.3332, 0.1804



33.5814, 0.4162, 0.2634



18.2763, 0.3149, 0.3073



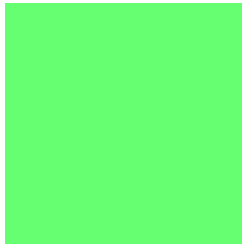
14.2991, 0.3400, 0.1647



1.3988, 0.3376, 0.1633

Previews

White Background



This preview shows how the Yxy color 75.5370, 0.2995, 0.5117 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 75.5370, 0.2995, 0.5117 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 75.5370, 0.2995, 0.5117

Background



This preview shows how black text looks on a background with the Yxy color 75.5370, 0.2995, 0.5117.

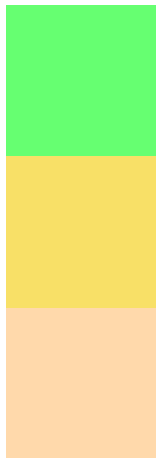


This preview shows how white text looks on a background with the Yxy color 75.5370, 0.2995, 0.5117.

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

75.5370, 0.2995, 0.5117

Protanopia

74.2470, 0.4094, 0.4482

Deuteranopia

73.8260, 0.3742, 0.3764



Tritanopia

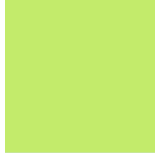
75.0445, 0.2539, 0.3095

Trichromacy



Original Color

75.5370, 0.2995, 0.5117



Protanomaly

72.0803, 0.3613, 0.4746



Deuteranomaly

71.4960, 0.3415, 0.4237



Tritanomaly

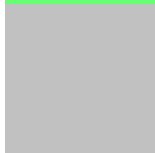
74.0815, 0.2715, 0.3798

Monochromacy



Original Color

75.5370, 0.2995, 0.5117



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.2657, 0.3067, 0.3973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5370, 0.2995, 0.5117 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(102, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 113)  
}
```

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(102, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 113) }
```

Border

The CSS property to change the border of an element to Yxy 75.5370, 0.2995, 0.5117 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(102, 255, 113) }
```

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

```
.border{ border-color:rgb(102, 255, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5370, 0.2995, 0.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 113) }
```

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

```
.background{ background-color: rgb(102,  
255, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor