

Converting Colors

$Y_{xy}(75.0336, 0.3013, 0.5243)$

Have a look what the booklet for
Yxy(75.0336, 0.3013, 0.5243)
contains.

Yxy(75.0407, 0.3012, 0.5239)	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(75.0407, 0.3012, 0.5239)

Conversions

Conversions Part 1

Format	Color
Hex	61FF67
RGB	97, 255, 103
RGB Percent	38%, 100%, 40%
CMY	0.6195, 0.0000, 0.5959
CMYK	0.62, 0.00, 0.60, 0.00
HSL	122°, 100%, 69%
HSV	122°, 62%, 100%
XYZ	43.1423, 75.0407, 25.0518
YIQ	190.4300, -45.3760, -80.7680

Conversions

Conversions Part 2

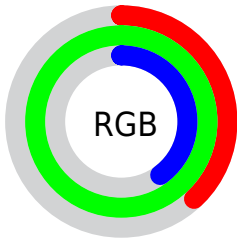
Format	Color
RYB	97, 249, 255
Decimal	6422375
CIELab	89.41, -70.10, 59.19
CIELCh	89, 91.750, 139.823
Yxy	75.0407, 0.3012, 0.5239
Android (android.graphics.Color)	4284612455 (0xFF61FF67)
YUV	190.4300, -43.1030, -81.9381
Hunter-Lab	86.6260, -62.6973, 43.4919

Details

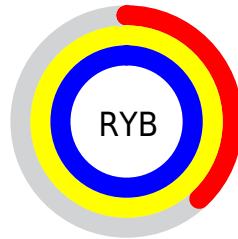
The Yxy color **75.0407, 0.3012, 0.5239** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.6558, 0.3250, 0.1903**, and the grayscale version is **52.0360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6700, 0.3095, 0.4448**, and **40.1377, 0.2927, 0.5736** is the 20% darker color. If you saturate the color by 10%, you get **73.4374, 0.3001, 0.5538**, and if you desaturate by 10%, it is **77.2442, 0.3028, 0.4900**.

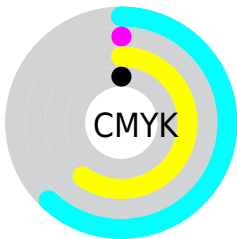
Distribution



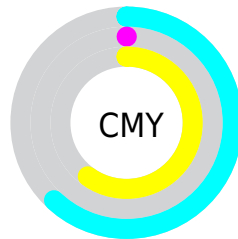
- Red (38%)
- Green (100%)
- Blue (40%)



- Red (38%)
- Yellow (98%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0407, 0.3012, 0.5239 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 75.0407, 0.3012, 0.5239 by changing the saturation by 10% instead.


 75.0407, 0.3012,
0.5239

 75.0407, 0.3012,
0.5239

478.0574, 0.3127,
0.4269

 55.6462, 0.2968,
0.5470


 126.3700, 0.3066,
0.4893

 39.9194, 0.2903,
0.5756


 159.0736, 0.3083,
0.4761

 27.4757, 0.2806,
0.6118


 196.9823, 0.3095,
0.4648

 17.9308, 0.2652,
0.6579

 240.4807, 0.3105,
0.4551

 10.9003, 0.2409,
0.7187

289.9529, 0.3113,
0.4467

 5.9998, 0.2009,
0.7991


345.7836, 0.3118,

 2.8450, 0.1043,


0.4393


0.8957

408.3569, 0.3123,
0.4328


 1.0513, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.0407, 0.3012,
0.5239

 75.0407, 0.3012,
0.5239


 73.4374, 0.3001,
0.5538


 77.2442, 0.3028,
0.4900


 72.3679, 0.2995,
0.5771


 80.0898, 0.3046,
0.4547


 71.7654, 0.2994,
0.5922

 83.6254, 0.3066,
0.4203

 71.5412, 0.2996,
0.5984

 87.8921, 0.3087,
0.3882

 92.9276, 0.3106,
0.3592

 98.7673, 0.3124,
0.3336

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.



75.0407, 0.3989, 0.5192



75.0407, 0.3012, 0.5239



75.0407, 0.2115, 0.4326

Triad

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



75.0407, 0.3012, 0.5239



75.0407, 0.1548, 0.1817



75.0407, 0.4972, 0.3104

Complementary

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



75.0407, 0.3012, 0.5239



36.6558, 0.3250, 0.1903

Split Complementary

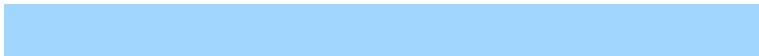
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.0407, 0.4048, 0.2473



75.0407, 0.3012, 0.5239



75.0407, 0.2051, 0.1769

Square

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



75.0407, 0.3012, 0.5239



75.0407, 0.1383, 0.2211



75.0407, 0.2924, 0.2001



75.0407, 0.5229, 0.3810

Rectangle

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



75.0407, 0.3012, 0.5239



75.0407, 0.1694, 0.3468



75.0407, 0.2924, 0.2001



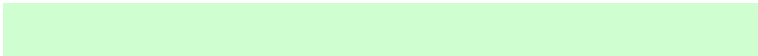
75.0407, 0.4722, 0.2882

Sweetspot

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



75.0435, 0.3012, 0.5239



89.2940, 0.3092, 0.3793



92.6588, 0.3961, 0.4751



18.8210, 0.3087, 0.3879



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.



75.0435, 0.3012, 0.5239



73.1760, 0.2999, 0.5592



77.4113, 0.2685, 0.4237



20.1793, 0.3110, 0.3526



37.3867, 0.2994, 0.5977



3.6440, 0.2978, 0.5922

Inverse Universe

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



36.6558, 0.3250, 0.1903



31.9583, 0.3272, 0.1739



32.7473, 0.4144, 0.2568



18.2878, 0.3144, 0.3065



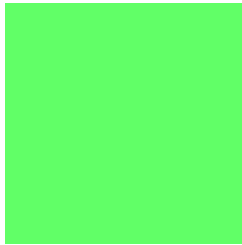
14.5688, 0.3307, 0.1595



1.4221, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 75.0407, 0.3012, 0.5239 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 75.0407, 0.3012, 0.5239 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

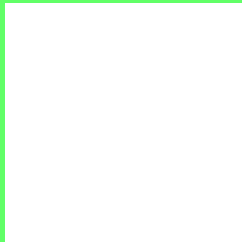
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.0407, 0.3012, 0.5239

Background



This preview shows how black text looks on a background with the Yxy color 75.0407, 0.3012, 0.5239.

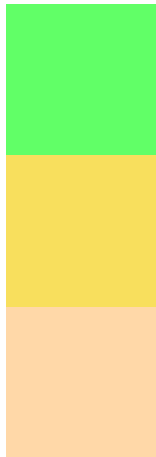


This preview shows how white text looks on a background with the Yxy color 75.0407, 0.3012, 0.5239.

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

75.0407, 0.3012, 0.5239

Protanopia

73.5221, 0.4150, 0.4549

Deuteranopia

73.1989, 0.3768, 0.3785



Tritanopia

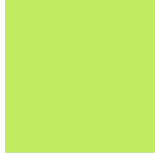
74.6650, 0.2521, 0.3094

Trichromacy



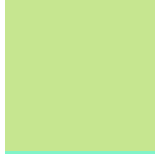
Original Color

75.0407, 0.3012, 0.5239



Protanomaly

71.6172, 0.3645, 0.4847



Deuteranomaly

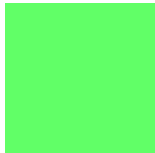
70.6130, 0.3447, 0.4299



Tritanomaly

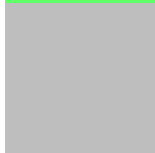
73.5386, 0.2707, 0.3841

Monochromacy



Original Color

75.0407, 0.3012, 0.5239



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.6297, 0.3078, 0.4038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0407, 0.3012, 0.5239 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(97, 255, 103)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 103)  
}
```

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(97, 255, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 103) }
```

Border

The CSS property to change the border of an element to Yxy 75.0407, 0.3012, 0.5239 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(97, 255, 103) }
```

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

```
.border{ border-color:rgb(97, 255, 103) }
```

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

Here you see how a box with a 4 pixel rgb(97, 255, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0407, 0.3012, 0.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 103) }
```

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

```
.background{ background-color: rgb(97, 255,  
103) }
```

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