

Converting Colors

$Y_{xy}(67.1592, 0.3080, 0.5414)$

Have a look what the booklet for
Yxy(67.1592, 0.3080, 0.5414)
contains.

Yxy(67.0749, 0.3078, 0.5412)	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(67.0749, 0.3078, 0.5412)

Conversions

Conversions Part 1

Format	Color
Hex	5EF351
RGB	94, 243, 81
RGB Percent	37%, 95%, 32%
CMY	0.6315, 0.0470, 0.6825
CMYK	0.61, 0.00, 0.67, 0.05
HSL	115°, 87%, 64%
HSV	115°, 67%, 95%
XYZ	38.1479, 67.0749, 18.7145
YIQ	179.9810, -36.8020, -81.9700

Conversions

Conversions Part 2

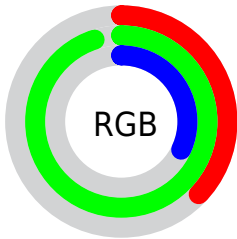
Format	Color
RYB	81, 243, 230
Decimal	6222673
CIELab	85.54, -68.86, 63.87
CIELCh	86, 93.922, 137.152
Yxy	67.0749, 0.3078, 0.5412
Android (android.graphics.Color)	4284412753 (0xFF5EF351)
YUV	179.9810, -48.7976, -75.4053
Hunter-Lab	81.8993, -60.1801, 43.7813

Details

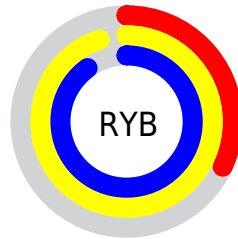
The Yxy color **67.0749, 0.3078, 0.5412** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **29.1791, 0.3069, 0.1730**, and the grayscale version is **45.9072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5952, 0.3174, 0.4704**, and **34.7245, 0.2989, 0.5959** is the 20% darker color. If you saturate the color by 10%, you get **65.7612, 0.3058, 0.5677**, and if you desaturate by 10%, it is **68.8666, 0.3095, 0.5092**.

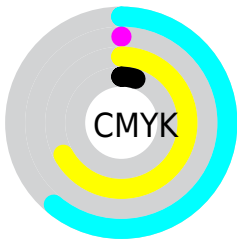
Distribution



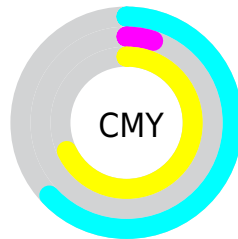
- Red (37%)
- Green (95%)
- Blue (32%)



- Red (32%)
- Yellow (95%)
- Blue (90%)



- Cyan (61%)
- Magenta (0%)
- Yellow (67%)
- Black (5%)





- Cyan (63%)
- Magenta (5%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0749, 0.3078, 0.5412 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 67.0749, 0.3078, 0.5412 by changing the saturation by 10% instead.

 67.0749, 0.3078,
0.5412

 67.0749, 0.3078,
0.5412


450.2113, 0.3178,
0.4342

 49.1455, 0.3030,
0.5668


 115.0277, 0.3132,
0.5029


 34.7349, 0.2957,
0.5984


 145.8199, 0.3147,
0.4882

 23.4587, 0.2841,
0.6380

 181.6686, 0.3157,
0.4758

 14.9326, 0.2653,
0.6875

 222.9580, 0.3165,
0.4651

 8.7721, 0.2380,
0.7620

270.0725, 0.3170,
0.4558

 4.5928, 0.1814,
0.8186

323.3967, 0.3174,

 2.0104, 0.0000,

0.4477

1.0000

383.3148, 0.3176,
0.4405

0.6135, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.0749, 0.3078,
0.5412

67.0749, 0.3078,
0.5412

65.7612, 0.3058,
0.5677

68.8666, 0.3095,
0.5092

64.8720, 0.3037,
0.5865

71.1671, 0.3108,
0.4743

64.3558, 0.3018,
0.5968


74.0146, 0.3118,
0.4389

64.2497, 0.3014,
0.5989

77.4410, 0.3124,
0.4051

 81.4761, 0.3127,
0.3739

 86.1473, 0.3128,
0.3458

 91.4806, 0.3127,
0.3212

 92.5864, 0.3133,
0.3175

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0749, 0.4096, 0.5243



67.0749, 0.3078, 0.5412



67.0749, 0.2123, 0.4517

Triad

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



67.0749, 0.3078, 0.5412



67.0749, 0.1448, 0.1764



67.0749, 0.5021, 0.3019

Complementary

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



67.0749, 0.3078, 0.5412



29.1791, 0.3069, 0.1730

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.



67.0749, 0.3994, 0.2377



67.0749, 0.3078, 0.5412



67.0749, 0.1933, 0.1692

Square

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



67.0749, 0.3078, 0.5412



67.0749, 0.1305, 0.2204



67.0749, 0.2811, 0.1908



67.0749, 0.5350, 0.3741

Rectangle

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



67.0749, 0.3078, 0.5412



67.0749, 0.1664, 0.3590



67.0749, 0.2811, 0.1908



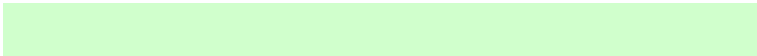
67.0749, 0.4736, 0.2793

Sweetspot

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



67.0777, 0.3078, 0.5412



89.3022, 0.3126, 0.3840



75.9689, 0.4124, 0.4704



18.8420, 0.3125, 0.3928



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.



67.0777, 0.3078, 0.5412



72.9647, 0.3051, 0.5753



68.0082, 0.2758, 0.4594



18.5354, 0.3128, 0.3534



35.2819, 0.3018, 0.5986



3.1224, 0.3060, 0.5953

Inverse Universe

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



29.1791, 0.3069, 0.1730



27.8774, 0.3045, 0.1551



28.0518, 0.3992, 0.2348



16.6968, 0.3125, 0.3056



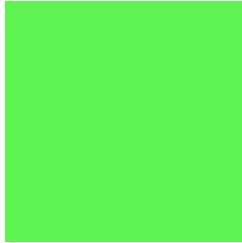
12.2353, 0.3009, 0.1431



1.0950, 0.3035, 0.1446

Previews

White Background



This preview shows how the Yxy color 67.0749, 0.3078, 0.5412 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 67.0749, 0.3078, 0.5412 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

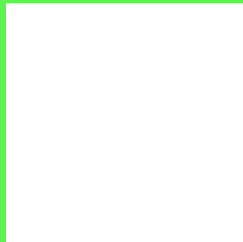
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0749, 0.3078, 0.5412

Background



This preview shows how black text looks on a background with the Yxy color 67.0749, 0.3078, 0.5412.



This preview shows how white text looks on a background with the Yxy color 67.0749, 0.3078, 0.5412.

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

67.0749, 0.3078, 0.5412

Protanopia

65.5725, 0.4230, 0.4649

Deuteranopia

65.4019, 0.4150, 0.4102



Tritanopia

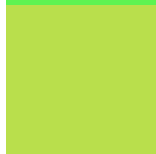
66.4975, 0.2467, 0.3060

Trichromacy



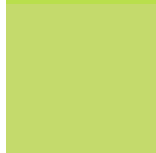
Original Color

67.0749, 0.3078, 0.5412



Protanomaly

63.6114, 0.3729, 0.4973



Deuteranomaly

62.9613, 0.3684, 0.4590



Tritanomaly

65.6745, 0.2709, 0.3912

Monochromacy



Original Color

67.0749, 0.3078, 0.5412



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

51.1150, 0.3125, 0.4119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0749, 0.3078, 0.5412 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(94, 243, 81)` looks like.

```
.text, #text, p{  
    color:rgb(94, 243, 81)  
}
```

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(94, 243, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 243, 81) }
```

Border

The CSS property to change the border of an element to Yxy 67.0749, 0.3078, 0.5412 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(94, 243, 81) }
```

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

```
.border{ border-color:rgb(94, 243, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 243, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 243, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 243, 81);  
box-shadow:4px 4px 4px 4px rgb(94, 243,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0749, 0.3078, 0.5412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 243, 81) }
```

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

```
.background{ background-color: rgb(94, 243,  
81) }
```

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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