

Converting Colors

Yxy(67.7445, 0.3180, 0.5216)

Have a look what the booklet for
Yxy(67.7445, 0.3180, 0.5216)
contains.

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Color

Yxy(67.8035, 0.3183, 0.5217)

Conversions

Conversions Part 1

Format	Color
Hex	7AF15B
RGB	122, 241, 91
RGB Percent	48%, 95%, 36%
CMY	0.5216, 0.0549, 0.6433
CMYK	0.49, 0.00, 0.62, 0.05
HSL	108°, 84%, 65%
HSV	108°, 62%, 95%
XYZ	41.3683, 67.8035, 20.7946
YIQ	188.3190, -22.7740, -71.8780

Conversions

Conversions Part 2

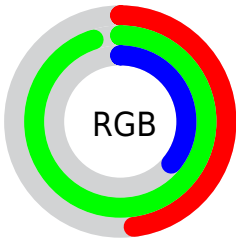
Format	Color
RYB	91, 241, 210
Decimal	8057179
CIELab	85.91, -60.34, 60.53
CIELCh	86, 85.467, 134.911
Yxy	67.8035, 0.3183, 0.5217
Android (android.graphics.Color)	4286247259 (0xFF7AF15B)
YUV	188.3190, -47.9783, -58.1618
Hunter-Lab	82.3429, -54.4232, 42.6671

Details

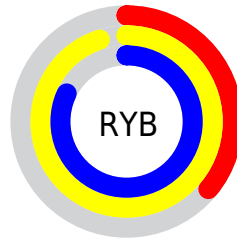
The Yxy color **67.8035, 0.3183, 0.5217** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **27.5231, 0.2890, 0.1722**, and the grayscale version is **50.7677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5404, 0.3275, 0.4542**, and **35.2551, 0.3103, 0.5732** is the 20% darker color. If you saturate the color by 10%, you get **66.1945, 0.3163, 0.5502**, and if you desaturate by 10%, it is **69.8262, 0.3193, 0.4893**.

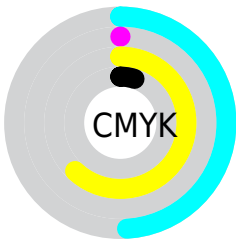
Distribution



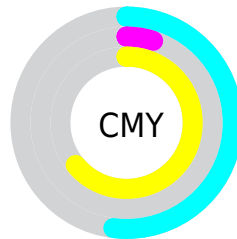
- Red (48%)
- Green (95%)
- Blue (36%)



- Red (36%)
- Yellow (95%)
- Blue (82%)



- Cyan (49%)
- Magenta (0%)
- Yellow (62%)
- Black (5%)





- Cyan (52%)
- Magenta (5%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8035, 0.3183, 0.5217 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 67.8035, 0.3183, 0.5217 by changing the saturation by 10% instead.


 67.8035, 0.3183,
0.5217

 67.8035, 0.3183,
0.5217


452.7995, 0.3221,
0.4253

 49.7379, 0.3153,
0.5447


 116.0710, 0.3212,
0.4873


 35.2052, 0.3105,
0.5731


 147.0417, 0.3219,
0.4741

 23.8210, 0.3023,
0.6089


 183.0828, 0.3222,
0.4629

 15.2009, 0.2881,
0.6541

 224.5788, 0.3224,
0.4533

 8.9605, 0.2681,
0.7241

271.9141, 0.3224,
0.4449

 4.7154, 0.2192,
0.7808

325.4730, 0.3223,

 2.0813, 0.0880,

0.4376

0.9120

385.6400, 0.3222,
0.4311

0.6541, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.8035, 0.3183,
0.5217

67.8035, 0.3183,
0.5217

66.1945, 0.3163,
0.5502

69.8262, 0.3193,
0.4893

64.9610, 0.3132,
0.5728


72.2803, 0.3193,
0.4554

64.0720, 0.3095,
0.5879

75.1927, 0.3184,
0.4218

63.5885, 0.3065,
0.5948

78.5859, 0.3170,
0.3900

 82.4805, 0.3152,
0.3608

 86.8960, 0.3132,
0.3345

 91.3940, 0.3133,
0.3156

Harmonies

Analogous

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



67.8035, 0.4122, 0.5059



67.8035, 0.3183, 0.5217



67.8035, 0.2278, 0.4475

Triad

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



67.8035, 0.3183, 0.5217



67.8035, 0.1543, 0.1898



67.8035, 0.4796, 0.3010

Complementary

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



67.8035, 0.3183, 0.5217



27.5231, 0.2890, 0.1722

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.



67.8035, 0.3839, 0.2410



67.8035, 0.3183, 0.5217



67.8035, 0.1979, 0.1799

Square

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



67.8035, 0.3183, 0.5217



67.8035, 0.1434, 0.2353



67.8035, 0.2772, 0.1982



67.8035, 0.5170, 0.3692

Rectangle

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



67.8035, 0.3183, 0.5217



67.8035, 0.1825, 0.3665



67.8035, 0.2772, 0.1982



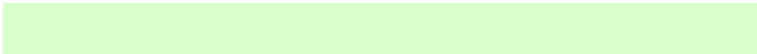
67.8035, 0.4523, 0.2797

Sweetspot

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



67.8064, 0.3183, 0.5217



90.6894, 0.3165, 0.3804



64.8104, 0.4200, 0.4475



19.1509, 0.3170, 0.3890



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.



67.8064, 0.3183, 0.5217



74.7896, 0.3155, 0.5576



66.8427, 0.2859, 0.4773



17.8139, 0.3147, 0.3532



34.5268, 0.3073, 0.5942



2.9134, 0.3157, 0.5876

Inverse Universe

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



27.5231, 0.2890, 0.1722



25.3716, 0.2819, 0.1489



30.2772, 0.3657, 0.2203



15.8567, 0.3105, 0.3055



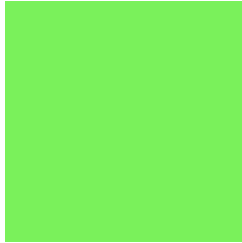
9.5199, 0.2691, 0.1256



0.8330, 0.2762, 0.1295

Previews

White Background



This preview shows how the Yxy color 67.8035, 0.3183, 0.5217 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 67.8035, 0.3183, 0.5217 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

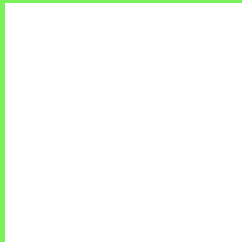
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8035, 0.3183, 0.5217

Background



This preview shows how black text looks on a background with the Yxy color 67.8035, 0.3183, 0.5217.

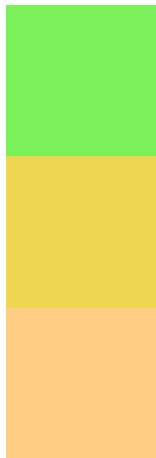


This preview shows how white text looks on a background with the Yxy color 67.8035, 0.3183, 0.5217.

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

67.8035, 0.3183, 0.5217

Protanopia

66.8948, 0.4179, 0.4593

Deuteranopia

66.5613, 0.4083, 0.4046



Tritanopia

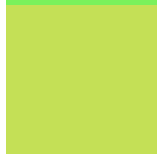
67.5037, 0.2565, 0.3076

Trichromacy



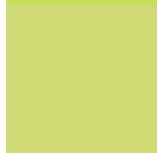
Original Color

67.8035, 0.3183, 0.5217



Protanomaly

65.7190, 0.3768, 0.4846



Deuteranomaly

64.6692, 0.3727, 0.4467



Tritanomaly

66.3581, 0.2807, 0.3843

Monochromacy



Original Color

67.8035, 0.3183, 0.5217



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.8181, 0.3175, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8035, 0.3183, 0.5217 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(122, 241, 91)` looks like.

```
.text, #text, p{  
    color:rgb(122, 241, 91)  
}
```

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(122, 241, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 241, 91) }
```

Border

The CSS property to change the border of an element to Yxy 67.8035, 0.3183, 0.5217 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(122, 241, 91) }
```

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

```
.border{ border-color:rgb(122, 241, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 241, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 241, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 241, 91);  
box-shadow:4px 4px 4px 4px rgb(122, 241,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8035, 0.3183, 0.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 241, 91) }
```

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

```
.background{ background-color: rgb(122,  
241, 91) }
```

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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