

Converting Colors

Yxy(67.4901, 0.2993, 0.5010)

Have a look what the booklet for
Yxy(67.4901, 0.2993, 0.5010)
contains.

Yxy(67.6027, 0.2995, 0.5014)	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(67.6027, 0.2995, 0.5014)

Conversions

Conversions Part 1

Format	Color
Hex	67F272
RGB	103, 242, 114
RGB Percent	40%, 95%, 45%
CMY	0.5962, 0.0510, 0.5529
CMYK	0.57, 0.00, 0.53, 0.05
HSL	125°, 84%, 68%
HSV	125°, 57%, 95%
XYZ	40.3810, 67.6027, 26.8442
YIQ	185.8470, -41.7560, -69.2760

Conversions

Conversions Part 2

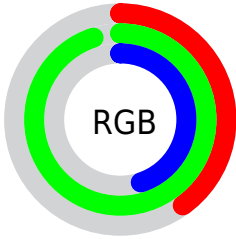
Format	Color
RYB	103, 232, 242
Decimal	6812274
CIELab	85.81, -62.94, 50.12
CIElCh	86, 80.463, 141.471
Yxy	67.6027, 0.2995, 0.5014
Android (android.graphics.Color)	4285002354 (0xFF67F272)
YUV	185.8470, -35.4206, -72.6568
Hunter-Lab	82.2209, -56.2202, 38.1971

Details

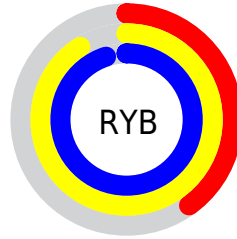
The Yxy color **67.6027, 0.2995, 0.5014** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **34.3403, 0.3297, 0.2026**, and the grayscale version is **49.2301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3465, 0.3062, 0.4321**, and **35.2170, 0.2898, 0.5503** is the 20% darker color. If you saturate the color by 10%, you get **65.9290, 0.2982, 0.5332**, and if you desaturate by 10%, it is **69.8196, 0.3013, 0.4676**.

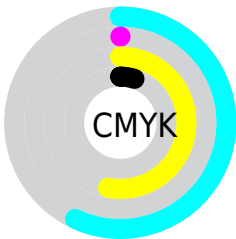
Distribution



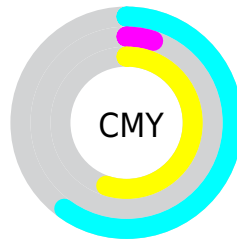
- Red (40%)
- Green (95%)
- Blue (45%)



- Red (40%)
- Yellow (91%)
- Blue (95%)



- Cyan (57%)
- Magenta (0%)
- Yellow (53%)
- Black (5%)




- Cyan (60%)
- Magenta (5%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6027, 0.2995, 0.5014 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 67.6027, 0.2995, 0.5014 by changing the saturation by 10% instead.


 67.6027, 0.2995,
0.5014

 67.6027, 0.2995,
0.5014


452.0871, 0.3104,
0.4142

 49.5746, 0.2955,
0.5228

 115.7836, 0.3044,
0.4698

 35.0755, 0.2897,
0.5499


 146.7052, 0.3060,
0.4579

 23.7210, 0.2810,
0.5848


 182.6933, 0.3072,
0.4478

 15.1268, 0.2671,
0.6308

224.1325, 0.3082,
0.4391

 8.9084, 0.2439,
0.6929

271.4071, 0.3089,
0.4316

 4.6815, 0.2075,
0.7925

324.9014, 0.3095,

 2.0616, 0.0579,

0.4251

385.0000, 0.3100,
0.4193

0.9421

0.6429, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.6027, 0.2995,
0.5014

67.6027, 0.2995,
0.5014

65.9290, 0.2982,
0.5332

69.8196, 0.3013,
0.4676

64.7439, 0.2977,
0.5604


72.6117, 0.3036,
0.4339


63.9967, 0.2979,
0.5810

76.0188, 0.3060,
0.4019

63.6180, 0.2988,
0.5938

80.0745, 0.3085,
0.3726

 63.5562, 0.2989,
0.5960

 84.8100, 0.3110,
0.3464

 90.2545, 0.3133,
0.3234

 91.9884, 0.3133,
0.3165

Harmonies

Analogous

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



67.6027, 0.3903, 0.5058



67.6027, 0.2995, 0.5014



67.6027, 0.2170, 0.4161

Triad

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



67.6027, 0.2995, 0.5014



67.6027, 0.1677, 0.1917



67.6027, 0.4837, 0.3172

Complementary

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



67.6027, 0.2995, 0.5014



34.3403, 0.3297, 0.2026

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.



67.6027, 0.4025, 0.2569



67.6027, 0.2995, 0.5014



67.6027, 0.2173, 0.1881

Square

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



67.6027, 0.2995, 0.5014



67.6027, 0.1504, 0.2277



67.6027, 0.3001, 0.2112



67.6027, 0.5053, 0.3843

Rectangle

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



67.6027, 0.2995, 0.5014



67.6027, 0.1785, 0.3402



67.6027, 0.3001, 0.2112



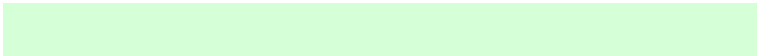
67.6027, 0.4620, 0.2960

Sweetspot

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



67.6055, 0.2995, 0.5014



90.3762, 0.3086, 0.3715



81.7666, 0.3880, 0.4685



19.1330, 0.3081, 0.3771



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.



67.6055, 0.2995, 0.5014



73.9753, 0.2981, 0.5383



69.7576, 0.2681, 0.4087



17.6768, 0.3105, 0.3514



34.1484, 0.2985, 0.5948



2.8478, 0.2950, 0.5820

Inverse Universe

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



34.3403, 0.3297, 0.2026



33.2112, 0.3336, 0.1849



31.2253, 0.4091, 0.2656



16.0085, 0.3150, 0.3075



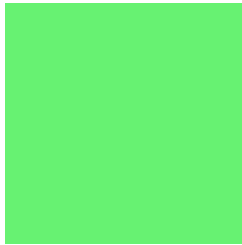
13.0060, 0.3419, 0.1657



1.0884, 0.3389, 0.1640

Previews

White Background



This preview shows how the Yxy color 67.6027, 0.2995, 0.5014 looks on a white background.

Color Contrast Check

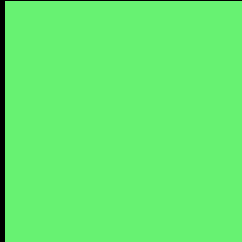
Large Text (above 18pt) WCAG AA × Fail

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 67.6027, 0.2995, 0.5014 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

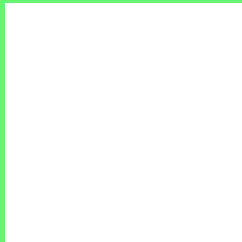
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6027, 0.2995, 0.5014

Background



This preview shows how black text looks on a background with the Yxy color 67.6027, 0.2995, 0.5014.

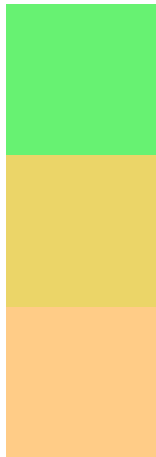


This preview shows how white text looks on a background with the Yxy color 67.6027, 0.2995, 0.5014.

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

67.6027, 0.2995, 0.5014

Protanopia

66.2501, 0.4051, 0.4432

Deuteranopia

66.1950, 0.4059, 0.3998



Tritanopia

67.2915, 0.2483, 0.3073

Trichromacy



Original Color

67.6027, 0.2995, 0.5014



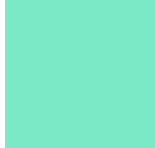
Protanomaly

64.9588, 0.3589, 0.4676



Deuteranomaly

63.9545, 0.3603, 0.4371



Tritanomaly

66.5660, 0.2671, 0.3743

Monochromacy



Original Color

67.6027, 0.2995, 0.5014



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.7486, 0.3069, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6027, 0.2995, 0.5014 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(103, 242, 114)` looks like.

```
.text, #text, p{  
    color:rgb(103, 242, 114)  
}
```

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(103, 242, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 242, 114) }
```

Border

The CSS property to change the border of an element to Yxy 67.6027, 0.2995, 0.5014 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(103, 242, 114) }
```

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

```
.border{ border-color:rgb(103, 242, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 242, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 242, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 242, 114);  
box-shadow:4px 4px 4px 4px rgb(103, 242,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6027, 0.2995, 0.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 242, 114) }
```

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

```
.background{ background-color: rgb(103,  
242, 114) }
```

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