

Converting Colors

Yxy(56.4322, 0.2949, 0.4650)

Have a look what the booklet for
Yxy(56.4322, 0.2949, 0.4650)
contains.

Yxy(56.3710, 0.2950, 0.4651)	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(56.3710, 0.2950, 0.4651)

Conversions

Conversions Part 1

Format	Color
Hex	6BDD7F
RGB	107, 221, 127
RGB Percent	42%, 87%, 50%
CMY	0.5802, 0.1333, 0.5019
CMYK	0.52, 0.00, 0.43, 0.13
HSL	131°, 63%, 64%
HSV	131°, 52%, 87%
XYZ	35.7546, 56.3710, 29.0763
YIQ	176.1980, -37.7700, -53.4020

Conversions

Conversions Part 2

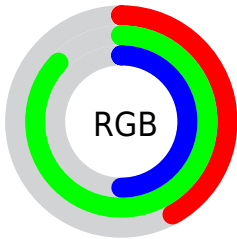
Format	Color
RYB	107, 204, 221
Decimal	7069055
CIELab	79.82, -52.10, 36.42
CIElCh	80, 63.567, 145.042
Yxy	56.3710, 0.2950, 0.4651
Android (android.graphics.Color)	4285259135 (0xFF6BDD7F)
YUV	176.1980, -24.2546, -60.6866
Hunter-Lab	75.0806, -46.3866, 29.5953

Details

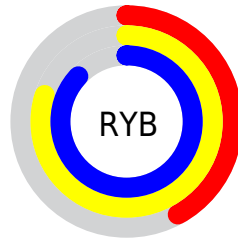
The Yxy color **56.3710, 0.2950, 0.4651** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.1151, 0.3394, 0.2240**, and the grayscale version is **43.6752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8555, 0.2995, 0.4163**, and **27.9457, 0.2859, 0.5072** is the 20% darker color. If you saturate the color by 10%, you get **54.7404, 0.2931, 0.4960**, and if you desaturate by 10%, it is **58.4423, 0.2977, 0.4343**.

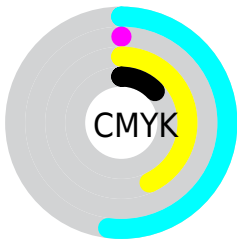
Distribution



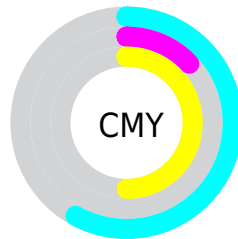
- Red (42%)
- Green (87%)
- Blue (50%)



- Red (42%)
- Yellow (80%)
- Blue (87%)



- Cyan (52%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)





- Cyan (58%)
- Magenta (13%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3710, 0.2950, 0.4651 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 56.3710, 0.2950, 0.4651 by changing the saturation by 10% instead.


 56.3710, 0.2950,
0.4651

 56.3710, 0.2950,
0.4651


411.0882, 0.3064,
0.3945


 40.5005, 0.2913,
0.4833


 99.5468, 0.2998,
0.4390

 27.9290, 0.2861,
0.5068


 127.6209, 0.3014,
0.4293

 18.2721, 0.2783,
0.5382


 160.5315, 0.3027,
0.4212

 11.1455, 0.2660,
0.5819

198.6632, 0.3037,
0.4142

 6.1648, 0.2447,
0.6452

242.4004, 0.3046,
0.4083

 2.9456, 0.2166,
0.7834

292.1273, 0.3053,

 1.1034, 0.0000,

0.4031

1.0000

348.2284, 0.3059,
0.3985

0.0000, 0.0000,
0.0000

56.3710, 0.2950,
0.4651

56.3710, 0.2950,
0.4651

54.7404, 0.2931,
0.4960

58.4423, 0.2977,
0.4343

53.5116, 0.2923,
0.5255

60.9759, 0.3010,
0.4050

52.6506, 0.2927,
0.5515


64.0004, 0.3046,
0.3780


52.1145, 0.2942,
0.5724

67.5399, 0.3084,
0.3537

51.8570, 0.2959,
0.5853

71.6171, 0.3121,
0.3321

 76.2532, 0.3158,
0.3132

 80.1669, 0.3145,
0.2964

 80.1924, 0.3143,
0.2960

Harmonies

Analogous

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



56.3710, 0.3738, 0.4813



56.3710, 0.2950, 0.4651



56.3710, 0.2253, 0.3905

Triad

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



56.3710, 0.2950, 0.4651



56.3710, 0.1904, 0.2085



56.3710, 0.4618, 0.3284

Complementary

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



56.3710, 0.2950, 0.4651



30.1151, 0.3394, 0.2240

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.



56.3710, 0.3985, 0.2733



56.3710, 0.2950, 0.4651



56.3710, 0.2383, 0.2075

Square

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



56.3710, 0.2950, 0.4651



56.3710, 0.1716, 0.2382



56.3710, 0.3130, 0.2306



56.3710, 0.4758, 0.3885

Rectangle

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



56.3710, 0.2950, 0.4651



56.3710, 0.1932, 0.3295



56.3710, 0.3130, 0.2306



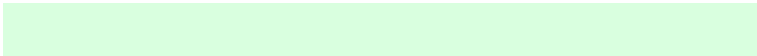
56.3710, 0.4453, 0.3092

Sweetspot

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



56.3733, 0.2950, 0.4651



91.5855, 0.3071, 0.3620



65.3323, 0.3725, 0.4603



19.3792, 0.3063, 0.3672



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.



56.3733, 0.2950, 0.4651



75.5263, 0.2930, 0.4989



58.2603, 0.2651, 0.3817



14.6433, 0.3092, 0.3489



30.1365, 0.2954, 0.5833



1.9638, 0.2875, 0.5552

Inverse Universe

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



30.1151, 0.3394, 0.2240



35.3537, 0.3467, 0.2063



27.9416, 0.4093, 0.2845



13.2336, 0.3164, 0.3099



10.9138, 0.3706, 0.1815



0.7176, 0.3611, 0.1763

Previews

White Background



This preview shows how the Yxy color 56.3710, 0.2950, 0.4651 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 56.3710, 0.2950, 0.4651 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 56.3710, 0.2950, 0.4651

Background



This preview shows how black text looks on a background with the Yxy color 56.3710, 0.2950, 0.4651.



This preview shows how white text looks on a background with the Yxy color 56.3710, 0.2950, 0.4651.

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

56.3710, 0.2950, 0.4651

Protanopia

55.6876, 0.3879, 0.4214

Deuteranopia

55.3779, 0.3970, 0.3883



Tritanopia

55.9172, 0.2520, 0.3070

Trichromacy



Original Color

56.3710, 0.2950, 0.4651



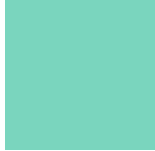
Protanomaly

54.7532, 0.3487, 0.4396



Deuteranomaly

53.6659, 0.3531, 0.4160



Tritanomaly

55.4438, 0.2673, 0.3605

Monochromacy



Original Color

56.3710, 0.2950, 0.4651



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.7472, 0.3049, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3710, 0.2950, 0.4651 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(107, 221, 127)` looks like.

```
.text, #text, p{  
    color:rgb(107, 221, 127)  
}
```

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(107, 221, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 221, 127) }
```

Border

The CSS property to change the border of an element to Yxy 56.3710, 0.2950, 0.4651 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(107, 221, 127) }
```

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

```
.border{ border-color:rgb(107, 221, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 221, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 221, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 221, 127);  
box-shadow:4px 4px 4px 4px rgb(107, 221,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3710, 0.2950, 0.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 221, 127) }
```

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

```
.background{ background-color: rgb(107,  
221, 127) }
```

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