

Converting Colors

$Yxy(56.5845, 0.2862, 0.4672)$

Have a look what the booklet for
Yxy(56.5845, 0.2862, 0.4672)
contains.

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Color

Yxy(56.5845, 0.2862, 0.4672)

Conversions

Conversions Part 1

Format	Color
Hex	5BDF81
RGB	91, 223, 129
RGB Percent	36%, 87%, 51%
CMY	0.6432, 0.1255, 0.4941
CMYK	0.59, 0.00, 0.42, 0.13
HSL	137°, 67%, 62%
HSV	137°, 59%, 87%
XYZ	34.6629, 56.5845, 29.8667
YIQ	172.8160, -48.4980, -57.2180

Conversions

Conversions Part 2

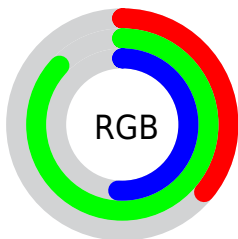
Format	Color
RYB	91, 193, 223
Decimal	6020993
CIELab	79.95, -56.33, 35.47
CIElCh	80, 66.569, 147.799
Yxy	56.5845, 0.2862, 0.4672
Android (android.graphics.Color)	4284211073 (0xFF5BDF81)
YUV	172.8160, -21.6013, -71.7526
Hunter-Lab	75.2227, -49.3863, 29.1151

Details

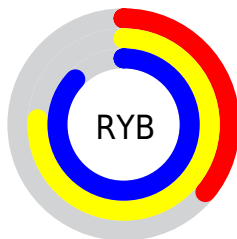
The Yxy color **56.5845, 0.2862, 0.4672** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **26.6680, 0.3627, 0.2253**, and the grayscale version is **41.8190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6143, 0.2915, 0.4155**, and **28.1875, 0.2751, 0.5104** is the 20% darker color. If you saturate the color by 10%, you get **55.2273, 0.2848, 0.4945**, and if you desaturate by 10%, it is **58.3485, 0.2890, 0.4398**.

Distribution



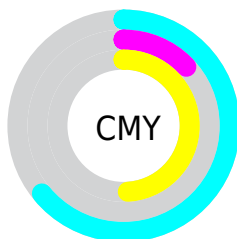
- Red (36%)
- Green (87%)
- Blue (51%)



- Red (36%)
- Yellow (76%)
- Blue (87%)



- Cyan (59%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)



- Cyan (64%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5845, 0.2862, 0.4672 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 56.5845, 0.2862, 0.4672 by changing the saturation by 10% instead.

 56.5845, 0.2862,
0.4672


 56.5845, 0.2862,
0.4672

411.8905, 0.3019,
0.3953

 40.6717, 0.2815,
0.4858


 99.8587, 0.2925,
0.4405


 28.0627, 0.2750,
0.5098


 127.9889, 0.2947,
0.4307

 18.3729, 0.2656,
0.5421


 160.9603, 0.2965,
0.4224

 11.2181, 0.2512,
0.5872

 199.1575, 0.2980,
0.4154

 6.2137, 0.2274,
0.6529

242.9647, 0.2992,
0.4093

 2.9755, 0.1956,
0.8044

292.7663, 0.3002,

 1.1189, 0.0000,

0.4040

1.0000

348.9468, 0.3012,
0.3994

0.0000, 0.0000,
0.0000

56.5845, 0.2862,
0.4672

56.5845, 0.2862,
0.4672

55.2273, 0.2848,
0.4945

58.3485, 0.2890,
0.4398

54.2362, 0.2850,
0.5204

60.5423, 0.2928,
0.4134

53.5737, 0.2868,
0.5436

63.1951, 0.2974,
0.3886

53.1778, 0.2899,
0.5630

66.3318, 0.3025,
0.3660

53.1518, 0.2901,
0.5644

69.9752, 0.3078,
0.3457

■ 74.1468, 0.3131,
0.3277

■ 78.8668, 0.3184,
0.3118

■ 81.2588, 0.3142,
0.2980

Harmonies

Analogous

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



56.5845, 0.3681, 0.4895



56.5845, 0.2862, 0.4672



56.5845, 0.2160, 0.3845

Triad

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



56.5845, 0.2862, 0.4672



56.5845, 0.1891, 0.2027



56.5845, 0.4722, 0.3333

Complementary

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



56.5845, 0.2862, 0.4672



26.6680, 0.3627, 0.2253

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.



56.5845, 0.4099, 0.2757



56.5845, 0.2862, 0.4672



56.5845, 0.2412, 0.2043

Square

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



56.5845, 0.2862, 0.4672



56.5845, 0.1670, 0.2299



56.5845, 0.3209, 0.2302



56.5845, 0.4811, 0.3954

Rectangle

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



56.5845, 0.2862, 0.4672



56.5845, 0.1850, 0.3206



56.5845, 0.3209, 0.2302



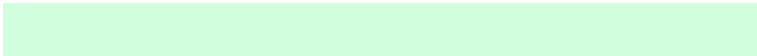
56.5845, 0.4567, 0.3133

Sweetspot

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



56.5868, 0.2862, 0.4672



90.3812, 0.3031, 0.3637



63.9223, 0.3668, 0.4842



19.0590, 0.3015, 0.3700



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.



56.5868, 0.2862, 0.4672



74.4830, 0.2847, 0.5007



58.9146, 0.2532, 0.3684



15.4019, 0.3077, 0.3461



31.2674, 0.2894, 0.5618



2.1825, 0.2808, 0.5308

Inverse Universe

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



26.6680, 0.3627, 0.2253



30.4551, 0.3773, 0.2110



24.5124, 0.4553, 0.2973



13.8648, 0.3182, 0.3125



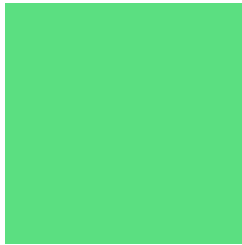
10.7116, 0.4098, 0.2031



0.7577, 0.3929, 0.1938

Previews

White Background



This preview shows how the Yxy color 56.5845, 0.2862, 0.4672 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 56.5845, 0.2862, 0.4672 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 56.5845, 0.2862, 0.4672

Background



This preview shows how black text looks on a background with the Yxy color 56.5845, 0.2862, 0.4672.



This preview shows how white text looks on a background with the Yxy color 56.5845, 0.2862, 0.4672.

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

56.5845, 0.2862, 0.4672

Protanopia

55.7115, 0.3872, 0.4204

Deuteranopia

55.2650, 0.3945, 0.3863



Tritanopia

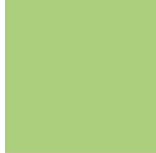
56.1119, 0.2455, 0.3068

Trichromacy



Original Color

56.5845, 0.2862, 0.4672



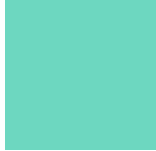
Protanomaly

54.1187, 0.3424, 0.4389



Deuteranomaly

53.4396, 0.3463, 0.4160



Tritanomaly

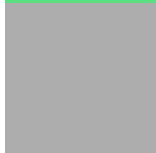
55.6579, 0.2601, 0.3608

Monochromacy



Original Color

56.5845, 0.2862, 0.4672



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.5356, 0.2995, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5845, 0.2862, 0.4672 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(91, 223, 129)` looks like.

```
.text, #text, p{  
    color:rgb(91, 223, 129)  
}
```

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(91, 223, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 223, 129) }
```

Border

The CSS property to change the border of an element to Yxy 56.5845, 0.2862, 0.4672 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(91, 223, 129) }
```

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

```
.border{ border-color:rgb(91, 223, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 223, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 223, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 223, 129);  
box-shadow:4px 4px 4px 4px rgb(91, 223,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5845, 0.2862, 0.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 223, 129) }
```

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

```
.background{ background-color: rgb(91, 223,  
129) }
```

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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