

Converting Colors

$Yxy(51.3718, 0.2850, 0.3947)$

Have a look what the booklet for
Yxy(51.3718, 0.2850, 0.3947)
contains.

Yxy(51.5588, 0.2851, 0.3952)	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(51.5588, 0.2851, 0.3952)

Conversions

Conversions Part 1

Format	Color
Hex	7DCFA1
RGB	125, 207, 161
RGB Percent	49%, 81%, 63%
CMY	0.5101, 0.1882, 0.3686
CMYK	0.40, 0.00, 0.22, 0.19
HSL	146°, 46%, 65%
HSV	146°, 40%, 81%
XYZ	37.1949, 51.5588, 41.7089
YIQ	177.2380, -34.1060, -31.6900

Conversions

Conversions Part 2

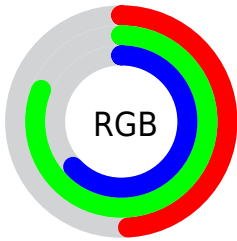
Format	Color
RYB	125, 182, 207
Decimal	8245153
CIELab	77.02, -35.21, 15.12
CIElCh	77, 38.320, 156.758
Yxy	51.5588, 0.2851, 0.3952
Android (android.graphics.Color)	4286435233 (0xFF7DCFA1)
YUV	177.2380, -8.0053, -45.8127
Hunter-Lab	71.8045, -33.1944, 15.8235

Details

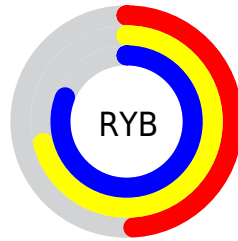
The Yxy color **51.5588, 0.2851, 0.3952** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.8541, 0.3557, 0.2716**, and the grayscale version is **44.1466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1812, 0.2897, 0.3727**, and **24.9002, 0.2770, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **49.7724, 0.2799, 0.4157**, and if you desaturate by 10%, it is **53.7120, 0.2913, 0.3761**.

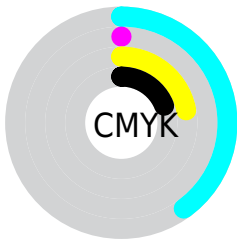
Distribution



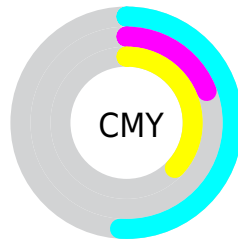
- Red (49%)
- Green (81%)
- Blue (63%)



- Red (49%)
- Yellow (71%)
- Blue (81%)



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (19%)





- Cyan (51%)
- Magenta (19%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5588, 0.2851, 0.3952 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 51.5588, 0.2851, 0.3952 by changing the saturation by 10% instead.


 51.5588, 0.2851,
0.3952

 51.5588, 0.2851,
0.3952


392.7310, 0.2994,
0.3612

 36.6535, 0.2814,
0.4040


 92.4802, 0.2904,
0.3826

 24.9393, 0.2766,
0.4154


 119.2652, 0.2923,
0.3780

 16.0319, 0.2700,
0.4308


 150.7788, 0.2940,
0.3741

 9.5467, 0.2605,
0.4528

187.4055, 0.2954,
0.3707

 5.0995, 0.2459,
0.4867

229.5297, 0.2966,
0.3679

 2.3057, 0.2206,
0.5446

277.5357, 0.2976,

 0.7767, 0.0000,

0.3654

1.0000

331.8080, 0.2986,
0.3632

0.0000, 0.0000,
0.0000

51.5588, 0.2851,
0.3952

51.5588, 0.2851,
0.3952

49.7724, 0.2799,
0.4157

53.7120, 0.2913,
0.3761

48.3251, 0.2760,
0.4373

56.2453, 0.2982,
0.3585

47.1954, 0.2738,
0.4593


59.1790, 0.3055,
0.3427

46.3563, 0.2734,
0.4811

62.5298, 0.3130,
0.3285


45.7762, 0.2750,
0.5019


66.3139, 0.3204,
0.3160


 45.3998, 0.2782,
0.5212

 70.5463, 0.3277,
0.3050

 45.3882, 0.2783,
0.5219

 72.3180, 0.3238,
0.2941

 73.0385, 0.3157,
0.2832

 73.1133, 0.3149,
0.2821

Harmonies

Analogous

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



51.5588, 0.3358, 0.4216



51.5588, 0.2851, 0.3952



51.5588, 0.2440, 0.3463

Triad

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



51.5588, 0.2851, 0.3952



51.5588, 0.2430, 0.2472



51.5588, 0.4130, 0.3483

Complementary

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



51.5588, 0.2851, 0.3952



30.8541, 0.3557, 0.2716

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.



51.5588, 0.3842, 0.3080



51.5588, 0.2851, 0.3952



51.5588, 0.2833, 0.2522

Square

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



51.5588, 0.2851, 0.3952



51.5588, 0.2216, 0.2617



51.5588, 0.3352, 0.2739



51.5588, 0.4117, 0.3876

Rectangle

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



51.5588, 0.2851, 0.3952



51.5588, 0.2268, 0.3118



51.5588, 0.3352, 0.2739



51.5588, 0.4065, 0.3346

Sweetspot

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



51.5609, 0.2851, 0.3952



93.5954, 0.3037, 0.3465



54.8199, 0.3421, 0.4371



19.8968, 0.3027, 0.3485



0.0000, 0.0000, 0.0000



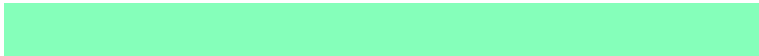
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.5609, 0.2851, 0.3952



80.0358, 0.2804, 0.4135



53.2304, 0.2614, 0.3363



13.2914, 0.3057, 0.3423



28.6100, 0.2776, 0.5193



1.6155, 0.2675, 0.4831

Inverse Universe

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



30.8541, 0.3557, 0.2716



42.1527, 0.3698, 0.2592



29.5385, 0.4049, 0.3223



11.9176, 0.3204, 0.3160



9.1721, 0.4691, 0.2358



0.5287, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 51.5588, 0.2851, 0.3952 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 51.5588, 0.2851, 0.3952 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 51.5588, 0.2851, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 51.5588, 0.2851, 0.3952.

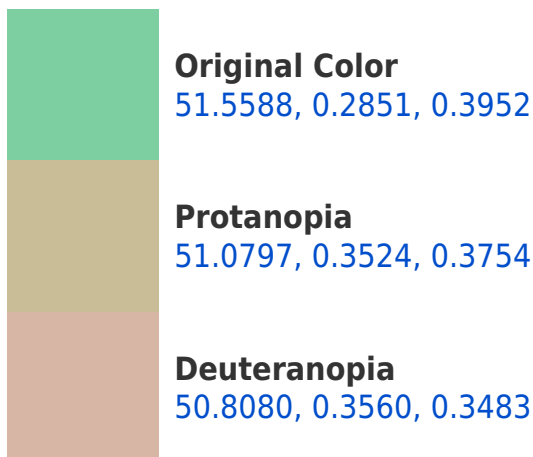


This preview shows how white text looks on a background with the Yxy color 51.5588, 0.2851, 0.3952.

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





Tritanopia

51.5848, 0.2588, 0.3078

Trichromacy



Original Color

51.5588, 0.2851, 0.3952



Protanomaly

50.7306, 0.3245, 0.3839



Deuteranomaly

50.0092, 0.3268, 0.3643



Tritanomaly

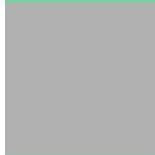
51.6839, 0.2684, 0.3384

Monochromacy



Original Color

51.5588, 0.2851, 0.3952



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.1758, 0.3011, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5588, 0.2851, 0.3952 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(125, 207, 161)` looks like.

```
.text, #text, p{  
    color:rgb(125, 207, 161)  
}
```

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(125, 207, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 207, 161) }
```

Border

The CSS property to change the border of an element to Yxy 51.5588, 0.2851, 0.3952 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(125, 207, 161) }
```

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

```
.border{ border-color:rgb(125, 207, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 207, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 207, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 207, 161);  
box-shadow:4px 4px 4px 4px rgb(125, 207,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5588, 0.2851, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 207, 161) }
```

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

```
.background{ background-color: rgb(125,  
207, 161) }
```

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