

Converting Colors

Yxy(51.4956, 0.2882, 0.4011)

Have a look what the booklet for
Yxy(51.4956, 0.2882, 0.4011)
contains.

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Color

Yxy(51.4956, 0.2882, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	7ECF9D
RGB	126, 207, 157
RGB Percent	49%, 81%, 62%
CMY	0.5060, 0.1882, 0.3843
CMYK	0.39, 0.00, 0.24, 0.19
HSL	143°, 46%, 65%
HSV	143°, 39%, 81%
XYZ	37.0008, 51.4956, 39.8895
YIQ	177.0810, -32.2260, -32.7220

Conversions

Conversions Part 2

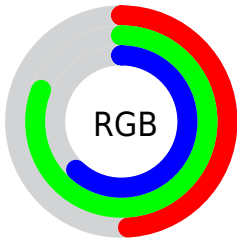
Format	Color
RYB	126, 185, 207
Decimal	8310685
CIELab	76.98, -35.68, 17.20
CIELCh	77, 39.612, 154.265
Yxy	51.4956, 0.2882, 0.4011
Android (android.graphics.Color)	4286500765 (0xFF7ECF9D)
YUV	177.0810, -9.8999, -44.7980
Hunter-Lab	71.7604, -33.5433, 17.2747

Details

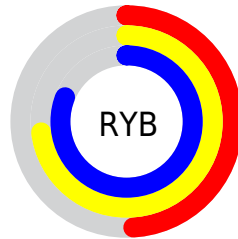
The Yxy color **51.4956, 0.2882, 0.4011** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.3172, 0.3498, 0.2670**, and the grayscale version is **44.0758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0972, 0.2923, 0.3773**, and **24.8748, 0.2800, 0.4220** is the 20% darker color. If you saturate the color by 10%, you get **49.6700, 0.2835, 0.4238**, and if you desaturate by 10%, it is **53.6967, 0.2938, 0.3800**.

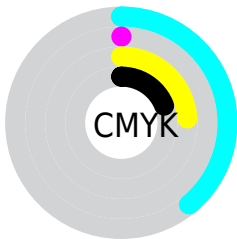
Distribution



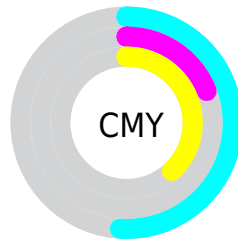
- Red (49%)
- Green (81%)
- Blue (62%)



- Red (49%)
- Yellow (73%)
- Blue (81%)



- Cyan (39%)
- Magenta (0%)
- Yellow (24%)
- Black (19%)




- Cyan (51%)
- Magenta (19%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4956, 0.2882, 0.4011 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 51.4956, 0.2882, 0.4011 by changing the saturation by 10% instead.

 51.4956, 0.2882,
0.4011


 51.4956, 0.2882,
0.4011


392.4862, 0.3011,
0.3640

 36.6032, 0.2848,
0.4107


 92.3869, 0.2930,
0.3874

 24.9004, 0.2803,
0.4232


 119.1546, 0.2948,
0.3823

 16.0029, 0.2741,
0.4402


 150.6496, 0.2963,
0.3780

 9.5262, 0.2651,
0.4644

187.2561, 0.2975,
0.3744

 5.0860, 0.2510,
0.5017

229.3586, 0.2986,
0.3712

 2.2978, 0.2260,
0.5660

277.3416, 0.2995,

 0.7725, 0.0000,

0.3685

1.0000

331.5893, 0.3004,
0.3661

■ 0.0000, 0.0000,
0.0000

■ 51.4956, 0.2882,
0.4011

■ 51.4956, 0.2882,
0.4011

■ 49.6700, 0.2835,
0.4238

■ 53.6967, 0.2938,
0.3800

■ 48.1918, 0.2800,
0.4475

■ 56.2866, 0.3001,
0.3606

■ 47.0392, 0.2780,
0.4716


■ 59.2860, 0.3066,
0.3432

■ 46.1852, 0.2779,
0.4952


■ 62.7120, 0.3133,
0.3277

■ 45.5978, 0.2796,
0.5174


■ 66.5808, 0.3199,
0.3141

 45.2250, 0.2828,
0.5374

 70.9078, 0.3263,
0.3021

 45.1974, 0.2831,
0.5390

 72.5691, 0.3208,
0.2901

 73.1090, 0.3149,
0.2821

Harmonies

Analogous

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



51.4956, 0.3407, 0.4257



51.4956, 0.2882, 0.4011



51.4956, 0.2446, 0.3513

Triad

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



51.4956, 0.2882, 0.4011



51.4956, 0.2381, 0.2451



51.4956, 0.4151, 0.3451

Complementary

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



51.4956, 0.2882, 0.4011



31.3172, 0.3498, 0.2670

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.



51.4956, 0.3830, 0.3039



51.4956, 0.2882, 0.4011



51.4956, 0.2782, 0.2488

Square

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



51.4956, 0.2882, 0.4011



51.4956, 0.2180, 0.2616



51.4956, 0.3313, 0.2698



51.4956, 0.4163, 0.3861

Rectangle

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



51.4956, 0.2882, 0.4011



51.4956, 0.2258, 0.3153



51.4956, 0.3313, 0.2698



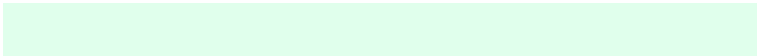
51.4956, 0.4076, 0.3310

Sweetspot

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



51.4977, 0.2882, 0.4011



93.4942, 0.3046, 0.3483



55.5170, 0.3462, 0.4340



19.8731, 0.3038, 0.3505



0.0000, 0.0000, 0.0000



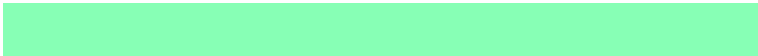
21.4041, 0.3127, 0.3290

Same Dimension

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



51.4977, 0.2882, 0.4011



80.0212, 0.2841, 0.4201



53.0580, 0.2649, 0.3437



13.2801, 0.3064, 0.3437



28.4914, 0.2823, 0.5364



1.6084, 0.2719, 0.4987

Inverse Universe

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



31.3172, 0.3498, 0.2670



43.2387, 0.3611, 0.2541



29.9832, 0.3965, 0.3154



11.9291, 0.3195, 0.3148



9.3544, 0.4460, 0.2231



0.5383, 0.4171, 0.2071

Previews

White Background



This preview shows how the Yxy color 51.4956, 0.2882, 0.4011 looks on a white background.

Color Contrast Check

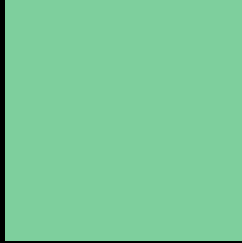
Large Text (above 18pt) WCAG AA × Fail

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 51.4956, 0.2882, 0.4011 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 51.4956, 0.2882, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 51.4956, 0.2882, 0.4011.

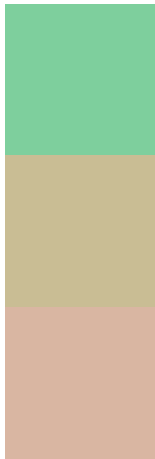


This preview shows how white text looks on a background with the Yxy color 51.4956, 0.2882, 0.4011.

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

51.4956, 0.2882, 0.4011

Protanopia

50.9508, 0.3557, 0.3805

Deuteranopia

50.8162, 0.3603, 0.3530



Tritanopia

51.2421, 0.2603, 0.3078

Trichromacy



Original Color

51.4956, 0.2882, 0.4011



Protanomaly

50.7129, 0.3283, 0.3892



Deuteranomaly

49.9900, 0.3307, 0.3695



Tritanomaly

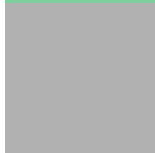
51.2044, 0.2701, 0.3398

Monochromacy



Original Color

51.4956, 0.2882, 0.4011



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.1378, 0.3018, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4956, 0.2882, 0.4011 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(126, 207, 157)` looks like.

```
.text, #text, p{  
    color:rgb(126, 207, 157)  
}
```

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(126, 207, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 207, 157) }
```

Border

The CSS property to change the border of an element to Yxy 51.4956, 0.2882, 0.4011 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(126, 207, 157) }
```

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

```
.border{ border-color:rgb(126, 207, 157) }
```

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

Here you see how a box with a 4 pixel rgb(126, 207, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 207, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 207, 157);  
box-shadow:4px 4px 4px 4px rgb(126, 207,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4956, 0.2882, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 207, 157) }
```

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

```
.background{ background-color: rgb(126,  
207, 157) }
```

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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