

Converting Colors

$Y_{xy}(51.5929, 0.2662, 0.3123)$

Have a look what the booklet for
Yxy(51.5929, 0.2662, 0.3123)
contains.

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Color

Yxy(51.6201, 0.2657, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	91C7D4
RGB	145, 199, 212
RGB Percent	57%, 78%, 83%
CMY	0.4313, 0.2196, 0.1685
CMYK	0.32, 0.06, 0.00, 0.17
HSL	192°, 44%, 70%
HSV	192°, 32%, 83%
XYZ	43.9880, 51.6201, 69.9471
YIQ	184.3360, -36.3570, -7.4050

Conversions

Conversions Part 2

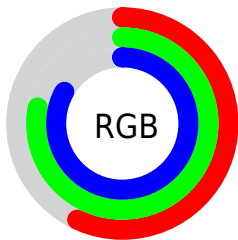
Format	Color
RYB	145, 175, 212
Decimal	9553876
CIELab	77.05, -14.34, -12.13
CIELCh	77, 18.782, 220.244
Yxy	51.6201, 0.2657, 0.3118
Android (android.graphics.Color)	4287743956 (0xFF91C7D4)
YUV	184.3360, 13.6384, -34.4977
Hunter-Lab	71.8471, -16.4468, -7.4290

Details

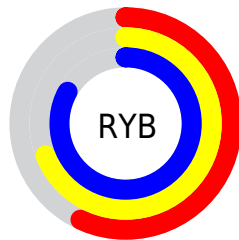
The Yxy color **51.6201, 0.2657, 0.3118** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.5126, 0.3795, 0.3454**, and the grayscale version is **48.0696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **24.9604, 0.2540, 0.3073** is the 20% darker color. If you saturate the color by 10%, you get **48.0013, 0.2524, 0.3055**, and if you desaturate by 10%, it is **55.6538, 0.2800, 0.3177**.

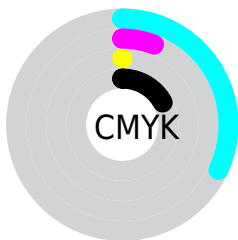
Distribution



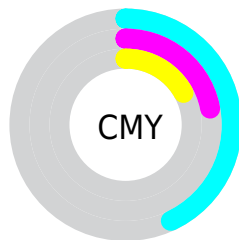
- Red (57%)
- Green (78%)
- Blue (83%)



- Red (57%)
- Yellow (69%)
- Blue (83%)



- Cyan (32%)
- Magenta (6%)
- Yellow (0%)
- Black (17%)





- Cyan (43%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6201, 0.2657, 0.3118 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 51.6201, 0.2657, 0.3118 by changing the saturation by 10% instead.

 51.6201, 0.2657,
0.3118

 51.6201, 0.2657,
0.3118


392.9682, 0.2884,
0.3206

 36.7024, 0.2603,
0.3095

 92.5707, 0.2738,
0.3150

 24.9771, 0.2534,
0.3066


 119.3724, 0.2769,
0.3163

 16.0600, 0.2445,
0.3027


150.9042, 0.2795,
0.3173

 9.5666, 0.2326,
0.2972


187.5504, 0.2818,
0.3181

 5.1126, 0.2157,
0.2889

229.6956, 0.2838,
0.3189

 2.3135, 0.1903,
0.2752

277.7240, 0.2855,

 0.7808, 0.1276,

0.3195

0.2540

332.0201, 0.2871,
0.3201

0.0000, 0.0000,
0.0000

51.6201, 0.2657,
0.3118

51.6201, 0.2657,
0.3118

48.0013, 0.2524,
0.3055

55.6538, 0.2800,
0.3177

44.7709, 0.2404,
0.2988

60.1151, 0.2949,
0.3232

41.9084, 0.2299,
0.2919

65.0236, 0.3102,
0.3282

39.3888, 0.2213,
0.2849

70.3960, 0.3256,
0.3328

37.1837, 0.2146,
0.2778

76.2478, 0.3409,
0.3368

■ 35.2588, 0.2098,
0.2707

■ 79.1785, 0.3432,
0.3409

■ 33.8096, 0.2069,
0.2648

■ 81.4170, 0.3425,
0.3450

■ 83.7096, 0.3418,
0.3490

■ 86.0566, 0.3411,
0.3531

Harmonies

Analogous

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



51.6201, 0.2766, 0.3352



51.6201, 0.2657, 0.3118



51.6201, 0.2668, 0.2945

Triad

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



51.6201, 0.2657, 0.3118



51.6201, 0.3273, 0.3026



51.6201, 0.3457, 0.3730

Complementary

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



51.6201, 0.2657, 0.3118



40.5126, 0.3795, 0.3454

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.



51.6201, 0.3605, 0.3619



51.6201, 0.2657, 0.3118



51.6201, 0.3498, 0.3215

Square

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



51.6201, 0.2657, 0.3118



51.6201, 0.3015, 0.2901



51.6201, 0.3622, 0.3429



51.6201, 0.3223, 0.3719

Rectangle

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



51.6201, 0.2657, 0.3118



51.6201, 0.2742, 0.2883



51.6201, 0.3622, 0.3429



51.6201, 0.3519, 0.3705

Sweetspot

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



51.6222, 0.2657, 0.3118



93.0910, 0.2988, 0.3245



55.5643, 0.3007, 0.4042



19.6977, 0.2965, 0.3238



0.0000, 0.0000, 0.0000



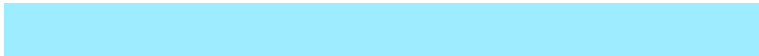
21.4041, 0.3127, 0.3290

Same Dimension

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



51.6222, 0.2657, 0.3118



74.5856, 0.2565, 0.3075



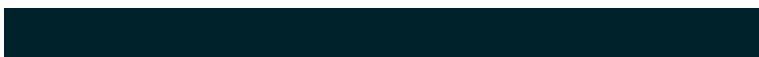
38.1336, 0.2603, 0.2665



13.6785, 0.2983, 0.3244



21.0090, 0.2072, 0.2658



1.3746, 0.2105, 0.2779

Inverse Universe

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



38.3795, 0.3285, 0.2649



51.8136, 0.3327, 0.2511



53.2215, 0.3673, 0.3844



12.5894, 0.3167, 0.3104



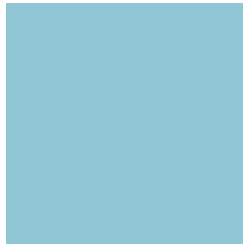
10.4657, 0.3768, 0.1849



0.6421, 0.3654, 0.1786

Previews

White Background



This preview shows how the Yxy color 51.6201, 0.2657, 0.3118 looks on a white background.

Color Contrast Check

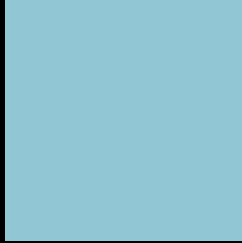
Large Text (above 18pt) WCAG AA × Fail

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 51.6201, 0.2657, 0.3118 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

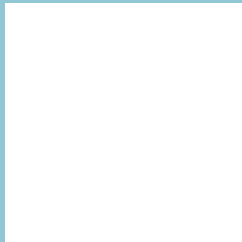
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6201, 0.2657, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 51.6201, 0.2657, 0.3118.



This preview shows how white text looks on a background with the Yxy color 51.6201, 0.2657, 0.3118.

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

51.6201, 0.2657, 0.3118

Protanopia

51.0656, 0.3000, 0.3080

Deuteranopia

51.3400, 0.2990, 0.2931



Tritanopia

51.8641, 0.2646, 0.3081

Trichromacy



Original Color

51.6201, 0.2657, 0.3118

Protanomaly

51.0240, 0.2858, 0.3087

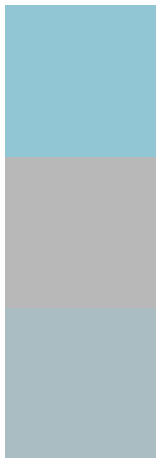
Deuteranomaly

51.0291, 0.2853, 0.2991

Tritanomaly

51.8129, 0.2652, 0.3093

Monochromacy



Original Color

51.6201, 0.2657, 0.3118

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.8363, 0.2939, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6201, 0.2657, 0.3118 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(145, 199, 212)` looks like.

```
.text, #text, p{  
    color:rgb(145, 199, 212)  
}
```

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(145, 199, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 199, 212) }
```

Border

The CSS property to change the border of an element to Yxy 51.6201, 0.2657, 0.3118 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(145, 199, 212) }
```

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

```
.border{ border-color:rgb(145, 199, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 199, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 199, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 199, 212);  
box-shadow:4px 4px 4px 4px rgb(145, 199,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6201, 0.2657, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 199, 212) }
```

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

```
.background{ background-color: rgb(145,  
199, 212) }
```

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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