

Converting Colors

$Yxy(51.7672, 0.2304, 0.2886)$

Have a look what the booklet for
Yxy(51.7672, 0.2304, 0.2886)
contains.

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Color

Yxy(51.6168, 0.2304, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	5FCCEB
RGB	95, 204, 235
RGB Percent	37%, 80%, 92%
CMY	0.6273, 0.2000, 0.0785
CMYK	0.60, 0.13, 0.00, 0.08
HSL	193°, 78%, 65%
HSV	193°, 60%, 92%
XYZ	41.3078, 51.6168, 86.3627
YIQ	174.9430, -74.9150, -13.4670

Conversions

Conversions Part 2

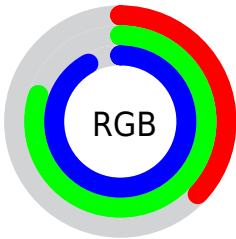
Format	Color
RYB	95, 156, 235
Decimal	6278379
CIELab	77.05, -22.35, -24.70
CIELCh	77, 33.310, 227.862
Yxy	51.6168, 0.2304, 0.2879
Android (android.graphics.Color)	4284468459 (0xFF5FCCEB)
YUV	174.9430, 29.6081, -70.1100
Hunter-Lab	71.8448, -23.0984, -20.9795

Details

The Yxy color **51.6168, 0.2304, 0.2879** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **33.4125, 0.4750, 0.3625**, and the grayscale version is **42.7185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **25.0867, 0.2105, 0.2767** is the 20% darker color. If you saturate the color by 10%, you get **48.1123, 0.2210, 0.2798**, and if you desaturate by 10%, it is **55.5872, 0.2416, 0.2958**.

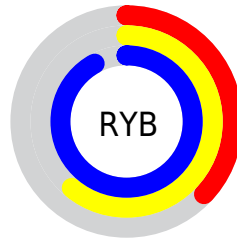
Distribution



Red (37%)

Green (80%)

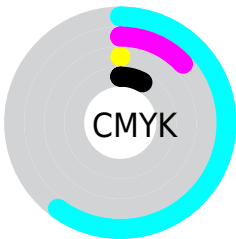
Blue (92%)



Red (37%)

Yellow (61%)

Blue (92%)

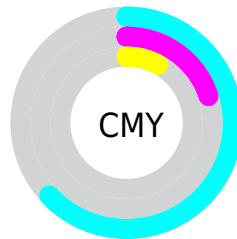


Cyan (60%)

Magenta (13%)

Yellow (0%)

Black (8%)



Cyan (63%)

Magenta (20%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6168, 0.2304, 0.2879 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 51.6168, 0.2304, 0.2879 by changing the saturation by 10% instead.

51.6168, 0.2304,
0.2879

51.6168, 0.2304,
0.2879

392.9555, 0.2694,
0.3089

36.6997, 0.2214,
0.2826

92.5659, 0.2440,
0.2956

24.9751, 0.2102,
0.2758

119.3666, 0.2493,
0.2985

16.0585, 0.1961,
0.2669

150.8974, 0.2538,
0.3009

9.5656, 0.1777,
0.2545

187.5426, 0.2578,
0.3030

5.1119, 0.1531,
0.2367

229.6866, 0.2612,
0.3048

2.3131, 0.1193,
0.2093

277.7138, 0.2643,

0.7806, 0.0425,

0.3063

0.1690

332.0087, 0.2670,
0.3077

■ 0.0000, 0.0000,
0.0000

■ 51.6168, 0.2304,
0.2879

■ 51.6168, 0.2304,
0.2879

■ 48.1123, 0.2210,
0.2798

■ 55.5872, 0.2416,
0.2958

■ 45.0317, 0.2135,
0.2715

■ 60.0493, 0.2542,
0.3035

■ 42.3344, 0.2081,
0.2633


■ 65.0337, 0.2681,
0.3107


■ 39.9516, 0.2043,
0.2552


■ 70.5665, 0.2828,
0.3174


■ 39.8478, 0.2041,
0.2549

■ 76.6717, 0.2980,
0.3236

 83.3719, 0.3134,
0.3292

 89.8187, 0.3258,
0.3344

 92.9321, 0.3253,
0.3394

 96.1341, 0.3248,
0.3444

Harmonies

Analogous

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



51.6168, 0.2432, 0.3276



51.6168, 0.2304, 0.2879



51.6168, 0.2374, 0.2634

Triad

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



51.6168, 0.2304, 0.2879



51.6168, 0.3493, 0.2908



51.6168, 0.3602, 0.4095

Complementary

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



51.6168, 0.2304, 0.2879



33.4125, 0.4750, 0.3625

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.



51.6168, 0.3922, 0.3918



51.6168, 0.2304, 0.2879



51.6168, 0.3867, 0.3238

Square

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



51.6168, 0.2304, 0.2879



51.6168, 0.3034, 0.2669



51.6168, 0.4026, 0.3600



51.6168, 0.3168, 0.4033

Rectangle

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



51.6168, 0.2304, 0.2879



51.6168, 0.2527, 0.2570



51.6168, 0.4026, 0.3600



51.6168, 0.3727, 0.4058

Sweetspot

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



51.6187, 0.2304, 0.2879



85.9979, 0.2850, 0.3184



63.3276, 0.2907, 0.4826



17.9690, 0.2806, 0.3165



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.



51.6187, 0.2304, 0.2879



57.2360, 0.2195, 0.2783



25.6753, 0.2083, 0.1887



16.5233, 0.2981, 0.3237



22.3803, 0.2045, 0.2562



1.8966, 0.2076, 0.2674

Inverse Universe

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



30.2110, 0.3522, 0.2161



31.0533, 0.3626, 0.2013



57.6628, 0.4217, 0.4349



15.2534, 0.3172, 0.3108



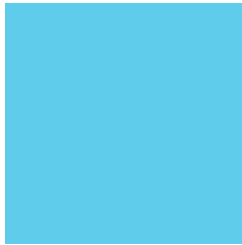
11.7521, 0.3861, 0.1901



0.9369, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 51.6168, 0.2304, 0.2879 looks on a white background.

Color Contrast Check

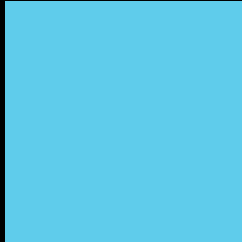
Large Text (above 18pt) WCAG AA × Fail

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 51.6168, 0.2304, 0.2879 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 51.6168, 0.2304, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 51.6168, 0.2304, 0.2879.

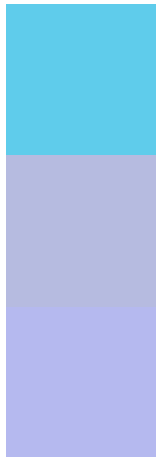


This preview shows how white text looks on a background with the Yxy color 51.6168, 0.2304, 0.2879.

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

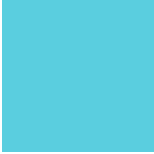
51.6168, 0.2304, 0.2879

Protanopia

50.8675, 0.2821, 0.2841

Deuteranopia

50.7537, 0.2715, 0.2651



Tritanopia

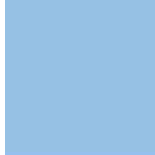
51.6440, 0.2344, 0.3057

Trichromacy



Original Color

51.6168, 0.2304, 0.2879



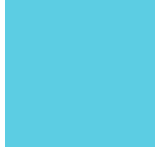
Protanomaly

50.2254, 0.2586, 0.2845



Deuteranomaly

50.3564, 0.2528, 0.2717



Tritanomaly

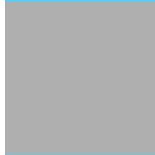
51.4840, 0.2331, 0.2992

Monochromacy



Original Color

51.6168, 0.2304, 0.2879



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.2600, 0.2738, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6168, 0.2304, 0.2879 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(95, 204, 235)` looks like.

```
.text, #text, p{  
    color:rgb(95, 204, 235)  
}
```

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(95, 204, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 204, 235) }
```

Border

The CSS property to change the border of an element to Yxy 51.6168, 0.2304, 0.2879 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(95, 204, 235) }
```

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

```
.border{ border-color:rgb(95, 204, 235) }
```

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

Here you see how a box with a 4 pixel rgb(95, 204, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 204, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 204, 235);  
box-shadow:4px 4px 4px 4px rgb(95, 204,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6168, 0.2304, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 204, 235) }
```

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

```
.background{ background-color: rgb(95, 204,  
235) }
```

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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