

Converting Colors

$Yxy(51.5445, 0.2376, 0.3184)$

Have a look what the booklet for
Yxy(51.5445, 0.2376, 0.3184)
contains.

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Color

Yxy(51.5582, 0.2373, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	57CFD7
RGB	87, 207, 215
RGB Percent	34%, 81%, 84%
CMY	0.6588, 0.1882, 0.1568
CMYK	0.60, 0.04, 0.00, 0.16
HSL	184°, 62%, 59%
HSV	184°, 60%, 84%
XYZ	38.5104, 51.5582, 72.2172
YIQ	172.0320, -74.0880, -22.9520

Conversions

Conversions Part 2

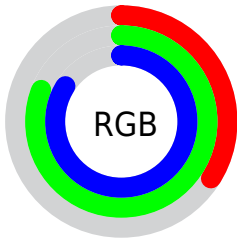
Format	Color
R _Y B	87, 149, 215
Decimal	5754839
CIE Lab	77.02, -30.95, -14.05
CIE LCh	77, 33.985, 204.411
Yxy	51.5582, 0.2373, 0.3177
Android (android.graphics.Color)	4283944919 (0xFF57CFD7)
YUV	172.0320, 21.1832, -74.5731
Hunter-Lab	71.8040, -29.9228, -9.3683

Details

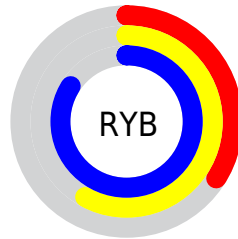
The Yxy color **51.5582, 0.2373, 0.3177** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.3253, 0.4911, 0.3385**, and the grayscale version is **41.1938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **24.9945, 0.2204, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **50.0256, 0.2301, 0.3156**, and if you desaturate by 10%, it is **53.4084, 0.2464, 0.3198**.

Distribution



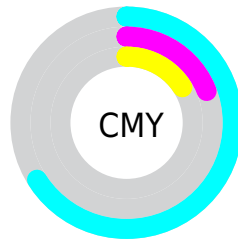
- Red (34%)
- Green (81%)
- Blue (84%)



- Red (34%)
- Yellow (58%)
- Blue (84%)



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)





- Cyan (66%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5582, 0.2373, 0.3177 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 51.5582, 0.2373, 0.3177 by changing the saturation by 10% instead.


 51.5582, 0.2373,
0.3177


 51.5582, 0.2373,
0.3177


392.7286, 0.2734,
0.3243

 36.6530, 0.2288,
0.3158


 92.4794, 0.2500,
0.3203

 24.9390, 0.2183,
0.3133


 119.2641, 0.2549,
0.3212

 16.0316, 0.2048,
0.3097


 150.7776, 0.2591,
0.3219

 9.5465, 0.1869,
0.3043

 187.4041, 0.2627,
0.3226

 5.0993, 0.1625,
0.2957

229.5281, 0.2659,
0.3231

 2.3057, 0.1277,
0.2805

277.5339, 0.2687,

 0.7767, 0.0000,

0.3236

0.2690

331.8059, 0.2711,
0.3239

■ 0.0000, 0.0000,
0.0000

■ 51.5582, 0.2373,
0.3177

■ 51.5582, 0.2373,
0.3177

■ 50.0256, 0.2301,
0.3156

■ 53.4084, 0.2464,
0.3198

■ 48.7764, 0.2247,
0.3134

■ 55.5951, 0.2573,
0.3219

■ 47.7791, 0.2213,
0.3113

■ 58.1426, 0.2697,
0.3238

■ 46.9768, 0.2193,
0.3093

■ 61.0714, 0.2834,
0.3257

■ 46.9406, 0.2192,
0.3092

■ 64.4001, 0.2981,
0.3275

■ 68.1465, 0.3134,
0.3291

■ 72.3271, 0.3292,
0.3305

■ 76.1865, 0.3420,
0.3319

■ 76.8860, 0.3418,
0.3332

Harmonies

Analogous

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



51.5582, 0.2651, 0.3633



51.5582, 0.2373, 0.3177



51.5582, 0.2287, 0.2800

Triad

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



51.5582, 0.2373, 0.3177



51.5582, 0.3134, 0.2700



51.5582, 0.3883, 0.3985

Complementary

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



51.5582, 0.2373, 0.3177



23.3253, 0.4911, 0.3385

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.



51.5582, 0.4044, 0.3683



51.5582, 0.2373, 0.3177



51.5582, 0.3597, 0.2968

Square

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



51.5582, 0.2373, 0.3177



51.5582, 0.2701, 0.2562



51.5582, 0.3940, 0.3317



51.5582, 0.3520, 0.4121

Rectangle

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



51.5582, 0.2373, 0.3177



51.5582, 0.2342, 0.2640



51.5582, 0.3940, 0.3317



51.5582, 0.3963, 0.3897

Sweetspot

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



51.5602, 0.2373, 0.3177



90.4914, 0.2854, 0.3260



51.4301, 0.3009, 0.5120



19.0801, 0.2812, 0.3254



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.



51.5602, 0.2373, 0.3177



73.1788, 0.2287, 0.3151



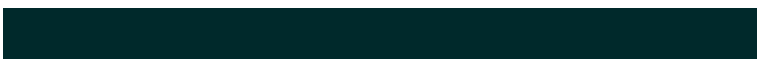
27.0662, 0.2162, 0.2228



13.9686, 0.2983, 0.3275



28.1322, 0.2193, 0.3095



1.7379, 0.2203, 0.3131

Inverse Universe

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



25.7723, 0.3279, 0.1979



32.6627, 0.3311, 0.1804



39.3903, 0.4376, 0.4117



12.6187, 0.3147, 0.3074



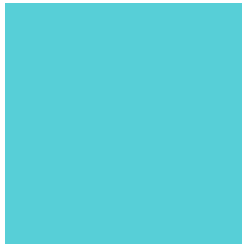
11.1848, 0.3372, 0.1631



0.6788, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 51.5582, 0.2373, 0.3177 looks on a white background.

Color Contrast Check

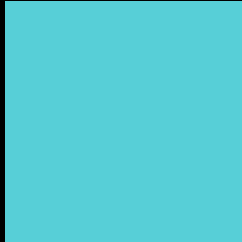
Large Text (above 18pt) WCAG AA × Fail

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 51.5582, 0.2373, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

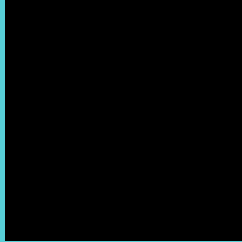
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5582, 0.2373, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 51.5582, 0.2373, 0.3177.

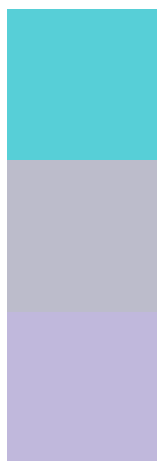


This preview shows how white text looks on a background with the Yxy color 51.5582, 0.2373, 0.3177.

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

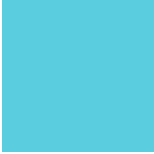
51.5582, 0.2373, 0.3177

Protanopia

50.9696, 0.3015, 0.3104

Deuteranopia

50.6548, 0.2923, 0.2858



Tritanopia

51.5902, 0.2349, 0.3070

Trichromacy



Original Color

51.5582, 0.2373, 0.3177

Protanomaly

50.1145, 0.2720, 0.3131

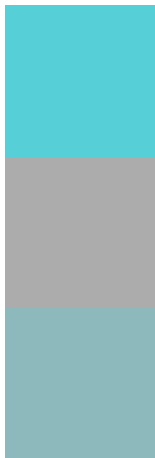
Deuteranomaly

49.6313, 0.2668, 0.2954

Tritanomaly

51.3809, 0.2359, 0.3109

Monochromacy



Original Color

51.5582, 0.2373, 0.3177

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.9915, 0.2761, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5582, 0.2373, 0.3177 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(87, 207, 215)` looks like.

```
.text, #text, p{  
    color:rgb(87, 207, 215)  
}
```

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(87, 207, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 207, 215) }
```

Border

The CSS property to change the border of an element to Yxy 51.5582, 0.2373, 0.3177 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(87, 207, 215) }
```

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

```
.border{ border-color:rgb(87, 207, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 207, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 207, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 207, 215);  
box-shadow:4px 4px 4px 4px rgb(87, 207,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5582, 0.2373, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 207, 215) }
```

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

```
.background{ background-color: rgb(87, 207,  
215) }
```

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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