

Converting Colors

$Yxy(51.5915, 0.2174, 0.2845)$

Have a look what the booklet for
Yxy(51.5915, 0.2174, 0.2845)
contains.

Yxy(51.6470, 0.2175, 0.2847)	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(51.6470, 0.2175, 0.2847)

Conversions

Conversions Part 1

Format	Color
Hex	34CFF0
RGB	52, 207, 240
RGB Percent	20%, 81%, 94%
CMY	0.7958, 0.1882, 0.0589
CMYK	0.78, 0.14, 0.00, 0.06
HSL	191°, 86%, 57%
HSV	191°, 78%, 94%
XYZ	39.4563, 51.6470, 90.3052
YIQ	164.4170, -102.9730, -22.5970

Conversions

Conversions Part 2

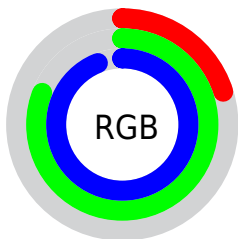
Format	Color
R _Y B	52, 137, 240
Decimal	3461104
CIE Lab	77.07, -28.17, -27.44
CIE LCh	77, 39.330, 224.251
Yxy	51.6470, 0.2175, 0.2847
Android (android.graphics.Color)	4281651184 (0xFF34CFF0)
YUV	164.4170, 37.2624, -98.5897
Hunter-Lab	71.8658, -27.7638, -24.1965

Details

The Yxy color **51.6470, 0.2175, 0.2847** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.2745, 0.5597, 0.3554**, and the grayscale version is **37.2006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **25.9172, 0.2090, 0.2725** is the 20% darker color. If you saturate the color by 10%, you get **49.1513, 0.2124, 0.2783**, and if you desaturate by 10%, it is **54.5242, 0.2245, 0.2911**.

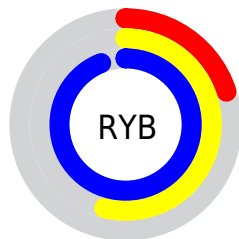
Distribution



Red (20%)

Green (81%)

Blue (94%)



Red (20%)

Yellow (54%)

Blue (94%)

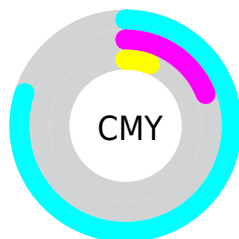


Cyan (78%)

Magenta (14%)

Yellow (0%)

Black (6%)



Cyan (80%)

Magenta (19%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6470, 0.2175, 0.2847 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 51.6470, 0.2175, 0.2847 by changing the saturation by 10% instead.

51.6470, 0.2175,
0.2847

51.6470, 0.2175,
0.2847

393.0723, 0.2622,
0.3076

36.7238, 0.2073,
0.2789

92.6104, 0.2330,
0.2931

24.9937, 0.1948,
0.2714

119.4194, 0.2391,
0.2963

16.0724, 0.1790,
0.2615

150.9592, 0.2443,
0.2989

9.5754, 0.1589,
0.2480

187.6140, 0.2488,
0.3012

5.1183, 0.1325,
0.2284

229.7683, 0.2528,
0.3031

2.3169, 0.0976,
0.1988

277.8066, 0.2563,

0.7826, 0.0113,

0.3048

0.1574

332.1131, 0.2594,
0.3063

0.0000, 0.0000,
0.0000

51.6470, 0.2175,
0.2847

51.6470, 0.2175,
0.2847

49.1513, 0.2124,
0.2783

54.5242, 0.2245,
0.2911

46.9702, 0.2091,
0.2721

57.8208, 0.2335,
0.2974

46.6154, 0.2086,
0.2710


61.5756, 0.2443,
0.3036

65.8210, 0.2566,
0.3096

70.5865, 0.2702,
0.3152

 75.8987, 0.2847,
0.3205

 81.7825, 0.2999,
0.3253

 88.2610, 0.3154,
0.3297

 92.7946, 0.3223,
0.3338

Harmonies

Analogous

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



51.6470, 0.2346, 0.3331



51.6470, 0.2175, 0.2847



51.6470, 0.2229, 0.2543

Triad

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



51.6470, 0.2175, 0.2847



51.6470, 0.3493, 0.2804



51.6470, 0.3733, 0.4227

Complementary

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



51.6470, 0.2175, 0.2847



25.2745, 0.5597, 0.3554

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.



51.6470, 0.4090, 0.3978



51.6470, 0.2175, 0.2847



51.6470, 0.3960, 0.3173

Square

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



51.6470, 0.2175, 0.2847



51.6470, 0.2951, 0.2546



51.6470, 0.4183, 0.3590



51.6470, 0.3231, 0.4204

Rectangle

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



51.6470, 0.2175, 0.2847



51.6470, 0.2387, 0.2457



51.6470, 0.4183, 0.3590



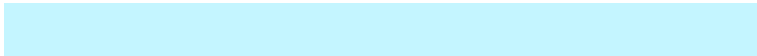
51.6470, 0.3875, 0.4167

Sweetspot

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



51.6489, 0.2175, 0.2847



84.1312, 0.2777, 0.3180



63.6671, 0.2930, 0.5462



17.5425, 0.2725, 0.3161



0.0000, 0.0000, 0.0000



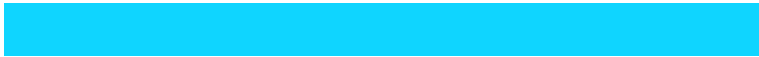
21.4041, 0.3127, 0.3290

Same Dimension

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



51.6489, 0.2175, 0.2847



54.8817, 0.2103, 0.2745



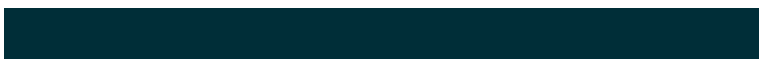
19.2180, 0.1825, 0.1509



17.4295, 0.2981, 0.3248



25.7005, 0.2089, 0.2720



2.2605, 0.2112, 0.2803

Inverse Universe

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



25.4890, 0.3578, 0.1884



26.4112, 0.3683, 0.1821



50.3490, 0.4636, 0.4459



15.9810, 0.3165, 0.3097



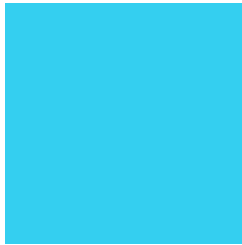
12.3878, 0.3709, 0.1817



1.0429, 0.3632, 0.1774

Previews

White Background



This preview shows how the Yxy color 51.6470, 0.2175, 0.2847 looks on a white background.

Color Contrast Check

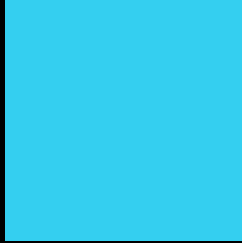
Large Text (above 18pt) WCAG AA × Fail

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 51.6470, 0.2175, 0.2847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

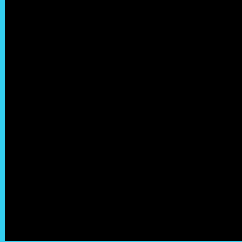
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6470, 0.2175, 0.2847

Background



This preview shows how black text looks on a background with the Yxy color 51.6470, 0.2175, 0.2847.

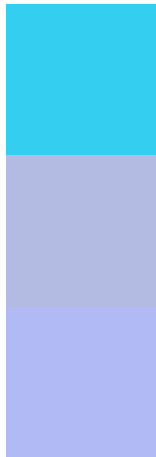


This preview shows how white text looks on a background with the Yxy color 51.6470, 0.2175, 0.2847.

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

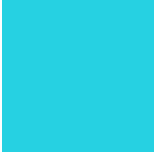
51.6470, 0.2175, 0.2847

Protanopia

50.7349, 0.2793, 0.2816

Deuteranopia

51.0575, 0.2652, 0.2595



Tritanopia

51.5040, 0.2212, 0.3052

Trichromacy



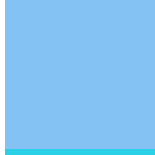
Original Color

51.6470, 0.2175, 0.2847



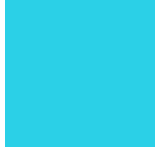
Protanomaly

49.3396, 0.2471, 0.2810



Deuteranomaly

49.9602, 0.2405, 0.2672



Tritanomaly

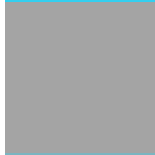
51.3949, 0.2197, 0.2973

Monochromacy



Original Color

51.6470, 0.2175, 0.2847



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.6592, 0.2604, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6470, 0.2175, 0.2847 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(52, 207, 240)` looks like.

```
.text, #text, p{  
    color:rgb(52, 207, 240)  
}
```

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(52, 207, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 207, 240) }
```

Border

The CSS property to change the border of an element to Yxy 51.6470, 0.2175, 0.2847 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(52, 207, 240) }
```

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

```
.border{ border-color:rgb(52, 207, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 207, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 207, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 207, 240);  
box-shadow:4px 4px 4px 4px rgb(52, 207,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6470, 0.2175, 0.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 207, 240) }
```

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

```
.background{ background-color: rgb(52, 207,  
240) }
```

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