

Converting Colors

$Yxy(51.4335, 0.2112, 0.2638)$

Have a look what the booklet for
Yxy(51.4335, 0.2112, 0.2638)
contains.

| | |
|--|----|
| Yxy(51.5865, 0.2113, 0.2642) | 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(51.5865, 0.2113, 0.2642)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 33CDFF |
| RGB | 51, 205, 255 |
| RGB Percent | 20%, 80%, 100% |
| CMY | 0.7991, 0.1961, 0.0000 |
| CMYK | 0.80, 0.20, 0.00, 0.00 |
| HSL | 195°, 100%, 60% |
| HSV | 195°, 80%, 100% |
| XYZ | 41.2575, 51.5865, 102.4115 |
| YIQ | 164.6540, -107.8340, -17.0980 |

Conversions

Conversions Part 2

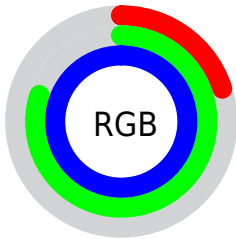
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 51, 139, 255 |
| Decimal | 3395071 |
| CIE Lab | 77.03, -22.42, -35.55 |
| CIE LCh | 77, 42.035, 237.761 |
| Yxy | 51.5865, 0.2113, 0.2642 |
| Android (android.graphics.Color) | 4281585151 (0xFF33CDFF) |
| YUV | 164.6540, 44.5406, -99.6746 |
| Hunter-Lab | 71.8237, -23.1564, -34.2634 |

Details

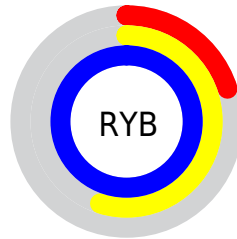
The Yxy color **51.5865, 0.2113, 0.2642** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.8541, 0.5536, 0.3672**, and the grayscale version is **37.3042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.1586, 0.2056, 0.2550**, and if you desaturate by 10%, it is **55.4974, 0.2190, 0.2735**.

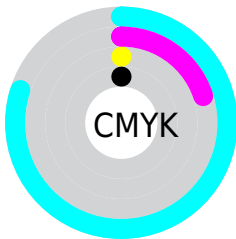
Distribution



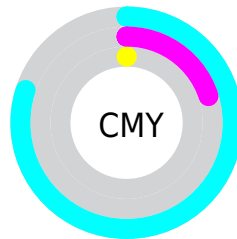
- Red (20%)
- Green (80%)
- Blue (100%)



- Red (20%)
- Yellow (55%)
- Blue (100%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5865, 0.2113, 0.2642 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 51.5865, 0.2113, 0.2642 by changing the saturation by 10% instead.

 51.5865, 0.2113,
0.2642


 51.5865, 0.2113,
0.2642


392.8382, 0.2585,
0.2966


 36.6756, 0.2007,
0.2563


 92.5211, 0.2276,
0.2758


 24.9564, 0.1877,
0.2465


 119.3136, 0.2340,
0.2803

 16.0446, 0.1715,
0.2337


 150.8355, 0.2395,
0.2840

 9.5557, 0.1511,
0.2167

 187.4710, 0.2443,
0.2872

 5.1054, 0.1249,
0.1934

229.6046, 0.2485,
0.2900

 2.3092, 0.0912,
0.1604

277.6208, 0.2522,

 0.7786, 0.0284,

0.2925

0.1149

331.9038, 0.2556,
0.2947

0.0000, 0.0000,
0.0000

51.5865, 0.2113,
0.2642

51.5865, 0.2113,
0.2642

48.1586, 0.2056,
0.2550

55.4974, 0.2190,
0.2735

45.1281, 0.2017,
0.2459

59.9442, 0.2287,
0.2827

45.1025, 0.2016,
0.2458

64.9719, 0.2401,
0.2916

70.6197, 0.2531,
0.3002

76.9230, 0.2671,
0.3083

■ 83.9141, 0.2820,
0.3158

■ 91.6229, 0.2973,
0.3228

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



51.5865, 0.2185, 0.3079



51.5865, 0.2113, 0.2642



51.5865, 0.2275, 0.2423

Triad

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



51.5865, 0.2113, 0.2642



51.5865, 0.3765, 0.2938



51.5865, 0.3539, 0.4326

Complementary

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



51.5865, 0.2113, 0.2642



30.8541, 0.5536, 0.3672

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.



51.5865, 0.4009, 0.4167



51.5865, 0.2113, 0.2642



51.5865, 0.4166, 0.3359

Square

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



51.5865, 0.2113, 0.2642



51.5865, 0.3195, 0.2605



51.5865, 0.4251, 0.3799



51.5865, 0.2982, 0.4145

Rectangle

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



51.5865, 0.2113, 0.2642



51.5865, 0.2506, 0.2399



51.5865, 0.4251, 0.3799



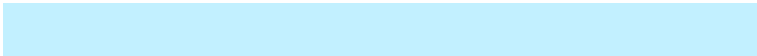
51.5865, 0.3713, 0.4306

Sweetspot

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



51.5866, 0.2113, 0.2642



80.9713, 0.2758, 0.3128



73.1261, 0.2889, 0.5365



16.8028, 0.2706, 0.3101



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.



51.5866, 0.2113, 0.2642



46.2802, 0.2031, 0.2495



18.1481, 0.1759, 0.1301



19.6817, 0.2980, 0.3230



23.8139, 0.2021, 0.2474



2.4898, 0.2049, 0.2578

Inverse Universe

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



28.0544, 0.3768, 0.1978



25.4179, 0.3926, 0.1949



63.1158, 0.4546, 0.4580



18.2197, 0.3176, 0.3112



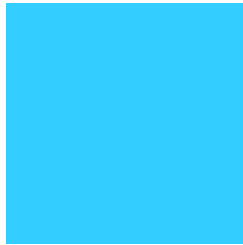
13.1320, 0.3949, 0.1949



1.2959, 0.3846, 0.1892

Previews

White Background



This preview shows how the Yxy color 51.5865, 0.2113, 0.2642 looks on a white background.

Color Contrast Check

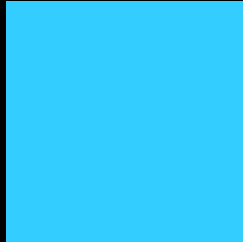
Large Text (above 18pt) WCAG AA × Fail

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 51.5865, 0.2113, 0.2642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

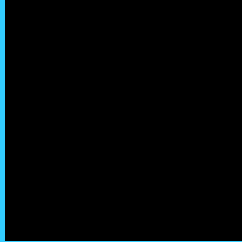
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

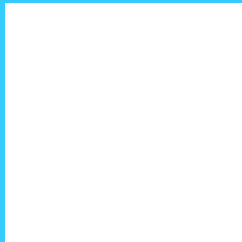
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.5865, 0.2113, 0.2642

Background



This preview shows how black text looks on a background with the Yxy color 51.5865, 0.2113, 0.2642.



This preview shows how white text looks on a background with the Yxy color 51.5865, 0.2113, 0.2642.

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

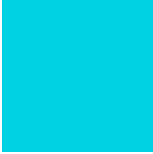
51.5865, 0.2113, 0.2642

Protanopia

51.0055, 0.2664, 0.2647

Deuteranopia

50.6626, 0.2536, 0.2483



Tritanopia

51.6392, 0.2181, 0.3051

Trichromacy



Original Color

51.5865, 0.2113, 0.2642



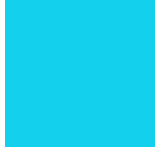
Protanomaly

49.9832, 0.2381, 0.2637



Deuteranomaly

49.7955, 0.2317, 0.2523



Tritanomaly

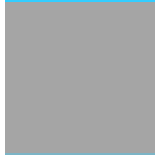
51.3646, 0.2147, 0.2894

Monochromacy



Original Color

51.5865, 0.2113, 0.2642



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.0048, 0.2573, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5865, 0.2113, 0.2642 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(51, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 205, 255)  
}
```

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(51, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.5865, 0.2113, 0.2642 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(51, 205, 255) }
```

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

```
.border{ border-color:rgb(51, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5865, 0.2113, 0.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 205, 255) }
```

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

```
.background{ background-color: rgb(51, 205,  
255) }
```

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