

Converting Colors

$Y_{xy}(51.4580, 0.2116, 0.2638)$

Have a look what the booklet for
Yxy(51.4580, 0.2116, 0.2638)
contains.

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Color

Yxy(51.6669, 0.2118, 0.2643)

Conversions

Conversions Part 1

Format	Color
Hex	36CDFF
RGB	54, 205, 255
RGB Percent	21%, 80%, 100%
CMY	0.7883, 0.1961, 0.0000
CMYK	0.79, 0.20, 0.00, 0.00
HSL	195°, 100%, 61%
HSV	195°, 79%, 100%
XYZ	41.4039, 51.6669, 102.4150
YIQ	165.5510, -106.0460, -16.4620

Conversions

Conversions Part 2

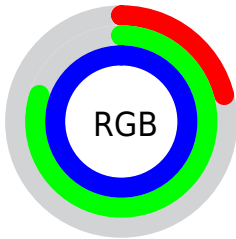
Format	Color
R _{YB}	54, 140, 255
Decimal	3591679
CIE _{Lab}	77.08, -22.18, -35.47
CIE _{LCh}	77, 41.839, 237.979
Yxy	51.6669, 0.2118, 0.2643
Android (android.graphics.Color)	4281781759 (0xFF36CDFF)
YUV	165.5510, 44.0984, -97.8302
Hunter-Lab	71.8797, -22.9705, -34.1613

Details

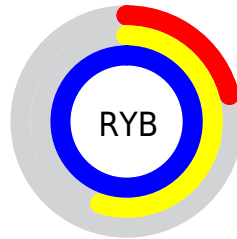
The Yxy color **51.6669, 0.2118, 0.2643** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.4234, 0.5489, 0.3681**, and the grayscale version is **37.7254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.1640, 0.2059, 0.2550**, and if you desaturate by 10%, it is **55.6630, 0.2198, 0.2737**.

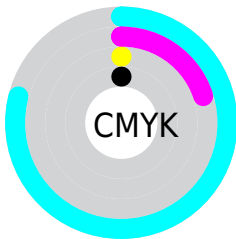
Distribution



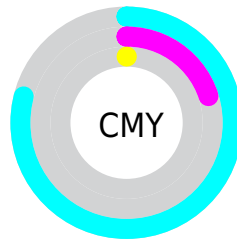
- Red (21%)
- Green (80%)
- Blue (100%)



- Red (21%)
- Yellow (55%)
- Blue (100%)



- Cyan (79%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (79%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6669, 0.2118, 0.2643 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 51.6669, 0.2118, 0.2643 by changing the saturation by 10% instead.


 51.6669, 0.2118,
0.2643


 51.6669, 0.2118,
0.2643


 393.1493, 0.2588,
0.2966


 36.7396, 0.2012,
0.2565


 92.6398, 0.2280,
0.2759


 25.0060, 0.1883,
0.2466


 119.4542, 0.2344,
0.2803


 16.0815, 0.1722,
0.2339


 150.9998, 0.2399,
0.2841

 9.5818, 0.1519,
0.2170

 187.6610, 0.2446,
0.2873

 5.1226, 0.1257,
0.1937

 229.8221, 0.2488,
0.2901

 2.3194, 0.0920,
0.1608

 277.8676, 0.2525,

 0.7839, 0.0300,

0.2925

0.1154

332.1819, 0.2559,
0.2947

0.0000, 0.0000,
0.0000

51.6669, 0.2118,
0.2643

51.6669, 0.2118,
0.2643

48.1640, 0.2059,
0.2550

55.6630, 0.2198,
0.2737

45.0777, 0.2017,
0.2457

60.2029, 0.2297,
0.2830

44.7326, 0.2013,
0.2447

65.3314, 0.2414,
0.2921

71.0874, 0.2545,
0.3007

77.5058, 0.2687,
0.3089

■ 84.6187, 0.2836,
0.3164

■ 92.4559, 0.2990,
0.3234

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.



51.6669, 0.2188, 0.3076



51.6669, 0.2118, 0.2643



51.6669, 0.2281, 0.2427

Triad

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



51.6669, 0.2118, 0.2643



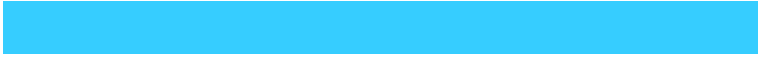
51.6669, 0.3765, 0.2942



51.6669, 0.3533, 0.4321

Complementary

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



51.6669, 0.2118, 0.2643



31.4234, 0.5489, 0.3681

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.



51.6669, 0.4002, 0.4165



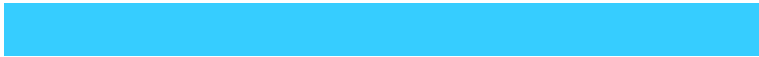
51.6669, 0.2118, 0.2643



51.6669, 0.4162, 0.3362

Square

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



51.6669, 0.2118, 0.2643



51.6669, 0.3199, 0.2610



51.6669, 0.4245, 0.3800



51.6669, 0.2979, 0.4138

Rectangle

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



51.6669, 0.2118, 0.2643



51.6669, 0.2512, 0.2403



51.6669, 0.4245, 0.3800



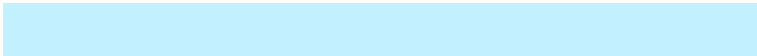
51.6669, 0.3706, 0.4302

Sweetspot

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



51.6674, 0.2118, 0.2643



80.8523, 0.2758, 0.3126



73.2413, 0.2888, 0.5338



16.7739, 0.2705, 0.3099



0.0000, 0.0000, 0.0000



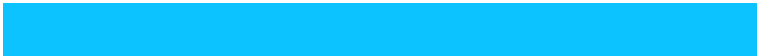
21.4041, 0.3127, 0.3290

Same Dimension

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



51.6674, 0.2118, 0.2643



46.2199, 0.2031, 0.2493



18.6425, 0.1772, 0.1328



19.6711, 0.2980, 0.3229



23.6225, 0.2017, 0.2462



2.4725, 0.2047, 0.2568

Inverse Universe

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



28.3048, 0.3766, 0.1989



25.4701, 0.3927, 0.1954



63.4843, 0.4531, 0.4574



18.2186, 0.3176, 0.3113



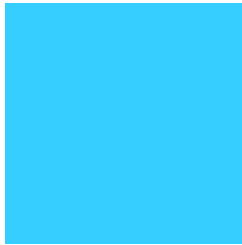
13.1127, 0.3960, 0.1955



1.2941, 0.3856, 0.1898

Previews

White Background



This preview shows how the Yxy color 51.6669, 0.2118, 0.2643 looks on a white background.

Color Contrast Check

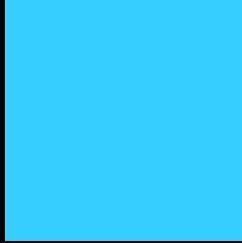
Large Text (above 18pt) WCAG AA × Fail

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 51.6669, 0.2118, 0.2643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

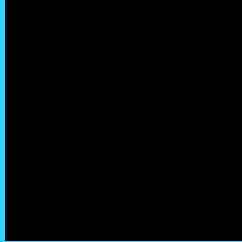
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

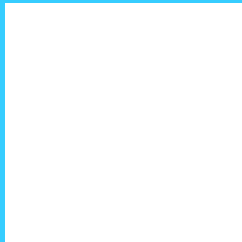
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6669, 0.2118, 0.2643

Background



This preview shows how black text looks on a background with the Yxy color 51.6669, 0.2118, 0.2643.



This preview shows how white text looks on a background with the Yxy color 51.6669, 0.2118, 0.2643.

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

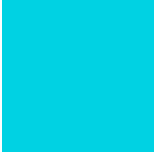
51.6669, 0.2118, 0.2643

Protanopia

51.0055, 0.2664, 0.2647

Deuteranopia

51.0855, 0.2538, 0.2495



Tritanopia

51.6392, 0.2181, 0.3051

Trichromacy



Original Color

51.6669, 0.2118, 0.2643



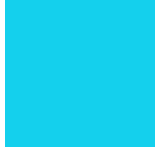
Protanomaly

50.0627, 0.2386, 0.2637



Deuteranomaly

50.3156, 0.2324, 0.2537



Tritanomaly

51.3749, 0.2148, 0.2894

Monochromacy



Original Color

51.6669, 0.2118, 0.2643



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.0797, 0.2580, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6669, 0.2118, 0.2643 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(54, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 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(54, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.6669, 0.2118, 0.2643 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(54, 205, 255) }
```

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

```
.border{ border-color:rgb(54, 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(54, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6669, 0.2118, 0.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 205, 255) }
```

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

```
.background{ background-color: rgb(54, 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](#).

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