

Converting Colors

$Y_{xy}(52.2731, 0.2118, 0.2662)$

Have a look what the booklet for
Yxy(52.2731, 0.2118, 0.2662)
contains.

Yxy(52.0664, 0.2116, 0.2656)	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(52.0664, 0.2116, 0.2656)

Conversions

Conversions Part 1

Format	Color
Hex	33CEFF
RGB	51, 206, 255
RGB Percent	20%, 81%, 100%
CMY	0.8008, 0.1921, 0.0000
CMYK	0.80, 0.19, 0.00, 0.00
HSL	194°, 100%, 60%
HSV	194°, 80%, 100%
XYZ	41.4806, 52.0664, 102.4861
YIQ	165.2410, -108.1090, -17.6210

Conversions

Conversions Part 2

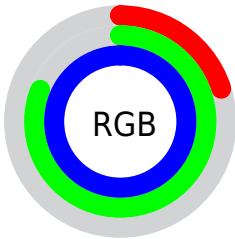
Format	Color
R_{YB}	51, 139, 255
Decimal	3395327
CIE _{Lab}	77.32, -22.98, -35.11
CIE _{LCh}	77, 41.960, 236.790
Yxy	52.0664, 0.2116, 0.2656
Android (android.graphics.Color)	4281585407 (0xFF33CEFF)
YUV	165.2410, 44.2512, -100.1894
Hunter-Lab	72.1571, -23.6613, -33.7009

Details

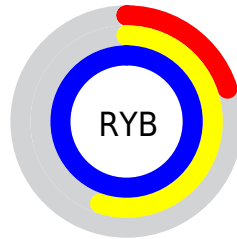
The Yxy color **52.0664, 0.2116, 0.2656** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.5709, 0.5553, 0.3661**, and the grayscale version is **37.5440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **26.5337, 0.2033, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **48.6902, 0.2060, 0.2566**, and if you desaturate by 10%, it is **55.9205, 0.2192, 0.2747**.

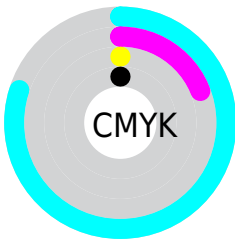
Distribution



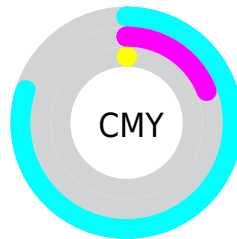
- Red (20%)
- Green (81%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0664, 0.2116, 0.2656 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 52.0664, 0.2116, 0.2656 by changing the saturation by 10% instead.

 52.0664, 0.2116,
0.2656


 52.0664, 0.2116,
0.2656


394.6929, 0.2586,
0.2973


 37.0580, 0.2010,
0.2579


 93.2292, 0.2278,
0.2770

 25.2524, 0.1881,
0.2482


 120.1523, 0.2342,
0.2813

 16.2652, 0.1720,
0.2357


 151.8158, 0.2397,
0.2850

 9.7120, 0.1517,
0.2190

 188.6041, 0.2444,
0.2882

 5.2084, 0.1257,
0.1961

230.9016, 0.2486,
0.2909

 2.3701, 0.0921,
0.1635

279.0926, 0.2524,

 0.8104, 0.0306,

0.2933

0.1186

333.5616, 0.2557,
0.2954

■ 0.0000, 0.0000,
0.0000

■ 52.0664, 0.2116,
0.2656

■ 52.0664, 0.2116,
0.2656

■ 48.6902, 0.2060,
0.2566

■ 55.9205, 0.2192,
0.2747

■ 45.7258, 0.2022,
0.2478

■ 60.3041, 0.2288,
0.2836

■ 65.2625, 0.2401,
0.2923

■ 70.8351, 0.2529,
0.3007

■ 77.0571, 0.2669,
0.3086

■ 83.9609, 0.2818,
0.3160

■ 91.5763, 0.2971,
0.3228

99.9313, 0.3126,
0.3290

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.



52.0664, 0.2196, 0.3097



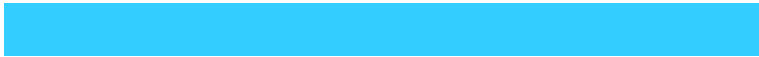
52.0664, 0.2116, 0.2656



52.0664, 0.2270, 0.2431

Triad

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



52.0664, 0.2116, 0.2656



52.0664, 0.3745, 0.2927



52.0664, 0.3554, 0.4321

Complementary

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



52.0664, 0.2116, 0.2656



30.5709, 0.5553, 0.3661

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.



52.0664, 0.4017, 0.4153



52.0664, 0.2116, 0.2656



52.0664, 0.4152, 0.3345

Square

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



52.0664, 0.2116, 0.2656



52.0664, 0.3176, 0.2599



52.0664, 0.4248, 0.3783



52.0664, 0.3001, 0.4152

Rectangle

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



52.0664, 0.2116, 0.2656



52.0664, 0.2495, 0.2402



52.0664, 0.4248, 0.3783



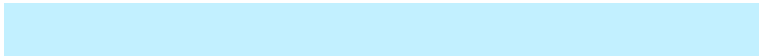
52.0664, 0.3726, 0.4297

Sweetspot

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



52.0670, 0.2116, 0.2656



81.1705, 0.2759, 0.3132



73.1089, 0.2889, 0.5370



16.8511, 0.2706, 0.3105



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.



52.0670, 0.2116, 0.2656



46.8886, 0.2036, 0.2514



18.0734, 0.1757, 0.1297



19.6994, 0.2980, 0.3232



24.1363, 0.2026, 0.2493



2.5187, 0.2054, 0.2595

Inverse Universe

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



28.0670, 0.3755, 0.1968



25.4794, 0.3907, 0.1939



63.0594, 0.4549, 0.4581



18.2215, 0.3175, 0.3111



13.1645, 0.3929, 0.1938



1.2988, 0.3829, 0.1883

Previews

White Background



This preview shows how the Yxy color 52.0664, 0.2116, 0.2656 looks on a white background.

Color Contrast Check

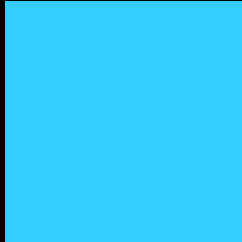
Large Text (above 18pt) WCAG AA × Fail

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 52.0664, 0.2116, 0.2656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

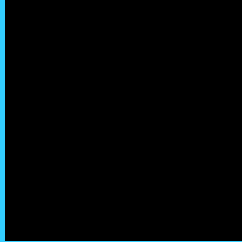
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

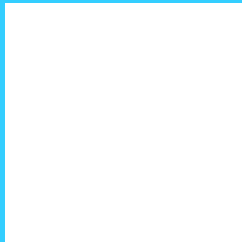
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.0664, 0.2116, 0.2656

Background



This preview shows how black text looks on a background with the Yxy color 52.0664, 0.2116, 0.2656.

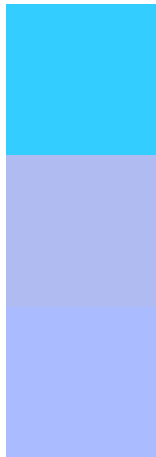


This preview shows how white text looks on a background with the Yxy color 52.0664, 0.2116, 0.2656.

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

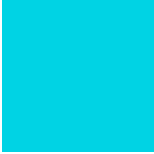
52.0664, 0.2116, 0.2656

Protanopia

51.1216, 0.2670, 0.2648

Deuteranopia

51.3067, 0.2550, 0.2497



Tritanopia

52.1900, 0.2181, 0.3052

Trichromacy



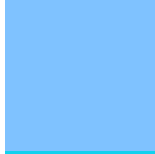
Original Color

52.0664, 0.2116, 0.2656



Protanomaly

49.9832, 0.2381, 0.2637



Deuteranomaly

50.3156, 0.2324, 0.2537



Tritanomaly

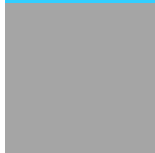
51.9026, 0.2147, 0.2895

Monochromacy



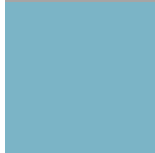
Original Color

52.0664, 0.2116, 0.2656



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.9307, 0.2567, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0664, 0.2116, 0.2656 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, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 206, 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, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.0664, 0.2116, 0.2656 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, 206, 255) }
```

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

```
.border{ border-color:rgb(51, 206, 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, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0664, 0.2116, 0.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 206, 255) }
```

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

```
.background{ background-color: rgb(51, 206,  
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