

Converting Colors

$Y_{xy}(50.1911, 0.2104, 0.2601)$

Have a look what the booklet for
Yxy(50.1911, 0.2104, 0.2601)
contains.

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Color

Yxy(50.1911, 0.2104, 0.2601)

Conversions

Conversions Part 1

Format	Color
Hex	34CAFF
RGB	52, 202, 255
RGB Percent	20%, 79%, 100%
CMY	0.7949, 0.2079, 0.0000
CMYK	0.79, 0.21, 0.00, 0.00
HSL	196°, 100%, 60%
HSV	196°, 79%, 100%
XYZ	40.6006, 50.1911, 102.1768
YIQ	163.1920, -106.4130, -15.3170

Conversions

Conversions Part 2

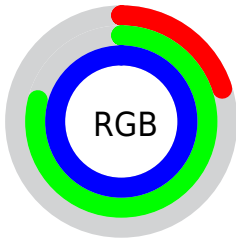
Format	Color
R_{YB}	52, 138, 255
Decimal	3459839
CIE _{Lab}	76.19, -20.79, -36.86
CIE _{LCh}	76, 42.325, 240.573
Yxy	50.1911, 0.2104, 0.2601
Android (android.graphics.Color)	4281649919 (0xFF34CAFF)
YUV	163.1920, 45.2613, -97.5154
Hunter-Lab	70.8457, -21.6843, -35.9187

Details

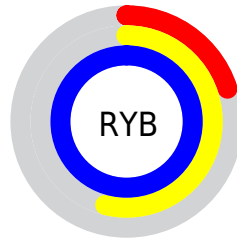
The Yxy color **50.1911, 0.2104, 0.2601** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.6776, 0.5488, 0.3703**, and the grayscale version is **36.5801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **25.2570, 0.2013, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **46.6212, 0.2044, 0.2502**, and if you desaturate by 10%, it is **54.2618, 0.2184, 0.2701**.

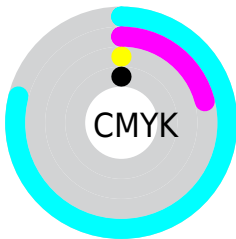
Distribution



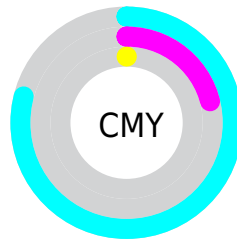
- Red (20%)
- Green (79%)
- Blue (100%)



- Red (20%)
- Yellow (54%)
- Blue (100%)



- Cyan (79%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1911, 0.2104, 0.2601 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 50.1911, 0.2104, 0.2601 by changing the saturation by 10% instead.


 50.1911, 0.2104,
0.2601

 50.1911, 0.2104,
0.2601


387.4128, 0.2582,
0.2945

 35.5653, 0.1996,
0.2518


 90.4580, 0.2269,
0.2724


 24.0986, 0.1864,
0.2413


 116.8678, 0.2334,
0.2771

 15.4068, 0.1700,
0.2279


 147.9743, 0.2390,
0.2811

 9.1054, 0.1492,
0.2100

 184.1621, 0.2438,
0.2845

 4.8100, 0.1226,
0.1857

225.8154, 0.2481,
0.2875

 2.1362, 0.0884,
0.1514

273.3187, 0.2519,

 0.6849, 0.0217,

0.2901

0.1038

327.0564, 0.2552,
0.2924

0.0000, 0.0000,
0.0000

50.1911, 0.2104,
0.2601

50.1911, 0.2104,
0.2601

46.6212, 0.2044,
0.2502

54.2618, 0.2184,
0.2701

43.4707, 0.2002,
0.2405

58.8863, 0.2284,
0.2799

43.3170, 0.2000,
0.2400

64.1093, 0.2402,
0.2895

69.9704, 0.2533,
0.2986

76.5050, 0.2676,
0.3073

■ 83.7456, 0.2826,
0.3153

■ 91.7223, 0.2980,
0.3226

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.



50.1911, 0.2154, 0.3025



50.1911, 0.2104, 0.2601



50.1911, 0.2290, 0.2401

Triad

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



50.1911, 0.2104, 0.2601



50.1911, 0.3823, 0.2969



50.1911, 0.3492, 0.4343

Complementary

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



50.1911, 0.2104, 0.2601



31.6776, 0.5488, 0.3703

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.



50.1911, 0.3985, 0.4206



50.1911, 0.2104, 0.2601



50.1911, 0.4206, 0.3401

Square

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



50.1911, 0.2104, 0.2601



50.1911, 0.3251, 0.2621



50.1911, 0.4259, 0.3845



50.1911, 0.2927, 0.4124

Rectangle

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



50.1911, 0.2104, 0.2601



50.1911, 0.2536, 0.2390



50.1911, 0.4259, 0.3845



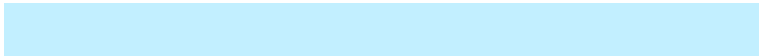
50.1911, 0.3672, 0.4332

Sweetspot

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



50.1912, 0.2104, 0.2601



80.3920, 0.2758, 0.3117



73.2367, 0.2878, 0.5317



16.6621, 0.2704, 0.3089



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.



50.1912, 0.2104, 0.2601



44.8451, 0.2019, 0.2449



17.6529, 0.1754, 0.1273



19.6301, 0.2980, 0.3226



22.8900, 0.2005, 0.2416



2.4065, 0.2036, 0.2528

Inverse Universe

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



28.0060, 0.3806, 0.2006



25.3313, 0.3971, 0.1978



64.8506, 0.4511, 0.4605



18.2145, 0.3178, 0.3116



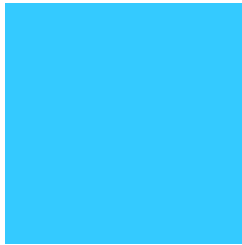
13.0387, 0.4006, 0.1981



1.2875, 0.3895, 0.1919

Previews

White Background



This preview shows how the Yxy color 50.1911, 0.2104, 0.2601 looks on a white background.

Color Contrast Check

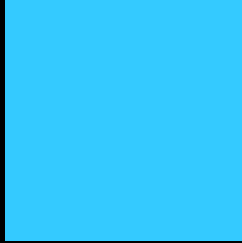
Large Text (above 18pt) WCAG AA × Fail

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 50.1911, 0.2104, 0.2601 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 50.1911, 0.2104, 0.2601

Background



This preview shows how black text looks on a background with the Yxy color 50.1911, 0.2104, 0.2601.



This preview shows how white text looks on a background with the Yxy color 50.1911, 0.2104, 0.2601.

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

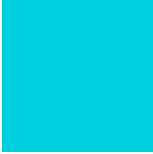
50.1911, 0.2104, 0.2601

Protanopia

49.3497, 0.2627, 0.2595

Deuteranopia

49.3935, 0.2508, 0.2453



Tritanopia

50.0075, 0.2180, 0.3048

Trichromacy



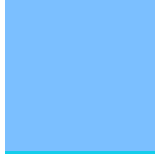
Original Color

50.1911, 0.2104, 0.2601



Protanomaly

48.5662, 0.2359, 0.2584



Deuteranomaly

48.6926, 0.2298, 0.2495



Tritanomaly

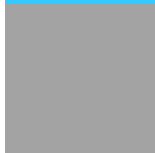
49.7992, 0.2142, 0.2876

Monochromacy



Original Color

50.1911, 0.2104, 0.2601



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.6408, 0.2573, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1911, 0.2104, 0.2601 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, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 202, 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(52, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.1911, 0.2104, 0.2601 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, 202, 255) }
```

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

```
.border{ border-color:rgb(52, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1911, 0.2104, 0.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 202, 255) }
```

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

```
.background{ background-color: rgb(52, 202,  
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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