

Converting Colors

$Y_{xy}(50.5101, 0.2093, 0.2672)$

Have a look what the booklet for
Yxy(50.5101, 0.2093, 0.2672)
contains.

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Color

Yxy(50.4120, 0.2092, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	1DCCFB
RGB	29, 204, 251
RGB Percent	11%, 80%, 98%
CMY	0.8882, 0.1999, 0.0158
CMYK	0.89, 0.19, 0.00, 0.02
HSL	193°, 97%, 55%
HSV	193°, 89%, 98%
XYZ	39.4988, 50.4120, 98.8981
YIQ	157.0330, -119.3870, -22.4830

Conversions

Conversions Part 2

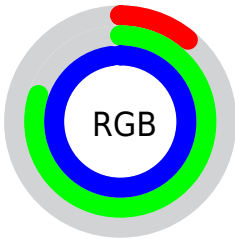
Format	Color
R_{YB}	29, 127, 251
Decimal	1953019
CIE _{Lab}	76.32, -24.81, -34.51
CIE _{LCh}	76, 42.509, 234.286
Yxy	50.4120, 0.2092, 0.2670
Android (android.graphics.Color)	4280143099 (0xFF1DCCFB)
YUV	157.0330, 46.3257, -112.2849
Hunter-Lab	71.0014, -24.9510, -32.8843

Details

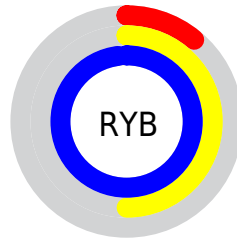
The Yxy color **50.4120, 0.2092, 0.2670** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.6893, 0.5902, 0.3564**, and the grayscale version is **33.4973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **25.7077, 0.2039, 0.2539** is the 20% darker color. If you saturate the color by 10%, you get **47.7054, 0.2055, 0.2593**, and if you desaturate by 10%, it is **53.4951, 0.2147, 0.2748**.

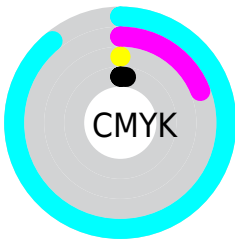
Distribution



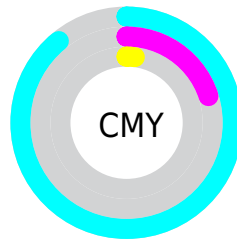
- Red (11%)
- Green (80%)
- Blue (98%)



- Red (11%)
- Yellow (50%)
- Blue (98%)



- Cyan (89%)
- Magenta (19%)
- Yellow (0%)
- Black (2%)





- Cyan (89%)
- Magenta (20%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4120, 0.2092, 0.2670 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 50.4120, 0.2092, 0.2670 by changing the saturation by 10% instead.


 50.4120, 0.2092,
0.2670

 50.4120, 0.2092,
0.2670


388.2749, 0.2576,
0.2984


 35.7409, 0.1983,
0.2593


 90.7850, 0.2259,
0.2783

 24.2341, 0.1849,
0.2495


 117.2557, 0.2325,
0.2826


 15.5074, 0.1683,
0.2369


 148.4283, 0.2381,
0.2863

 9.1763, 0.1473,
0.2199

 184.6873, 0.2430,
0.2894

 4.8563, 0.1204,
0.1964

 226.4171, 0.2473,
0.2921

 2.1632, 0.0858,
0.1626

274.0020, 0.2511,

 0.6998, 0.0098,

0.2944

0.1156

327.8265, 0.2545,
0.2965

0.0000, 0.0000,
0.0000

50.4120, 0.2092,
0.2670

50.4120, 0.2092,
0.2670

47.7054, 0.2055,
0.2593

53.4951, 0.2147,
0.2748

47.3523, 0.2051,
0.2582

57.0199, 0.2221,
0.2827

61.0374, 0.2316,
0.2904

65.5896, 0.2427,
0.2980

70.7131, 0.2554,
0.3052

■ 76.4412, 0.2693,
0.3121

■ 82.8041, 0.2841,
0.3185

■ 89.8298, 0.2993,
0.3244

■ 97.5447, 0.3148,
0.3297

Harmonies

Analogous

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



50.4120, 0.2193, 0.3137



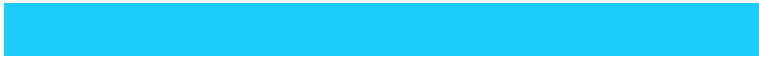
50.4120, 0.2092, 0.2670



50.4120, 0.2230, 0.2422

Triad

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



50.4120, 0.2092, 0.2670



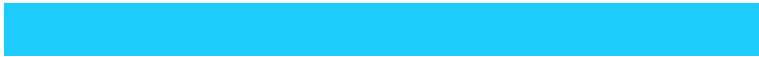
50.4120, 0.3714, 0.2886



50.4120, 0.3608, 0.4344

Complementary

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



50.4120, 0.2092, 0.2670



25.6893, 0.5902, 0.3564

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.



50.4120, 0.4067, 0.4146



50.4120, 0.2092, 0.2670



50.4120, 0.4153, 0.3307

Square

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



50.4120, 0.2092, 0.2670



50.4120, 0.3127, 0.2563



50.4120, 0.4280, 0.3756



50.4120, 0.3043, 0.4204

Rectangle

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



50.4120, 0.2092, 0.2670



50.4120, 0.2447, 0.2381



50.4120, 0.4280, 0.3756



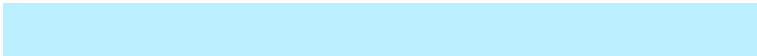
50.4120, 0.3780, 0.4309

Sweetspot

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



50.4138, 0.2092, 0.2670



80.2731, 0.2716, 0.3132



69.7175, 0.2924, 0.5633



16.7241, 0.2667, 0.3109



0.0000, 0.0000, 0.0000



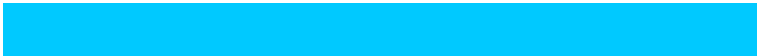
21.4041, 0.3127, 0.3290

Same Dimension

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



50.4138, 0.2092, 0.2670



49.0735, 0.2051, 0.2582



15.4490, 0.1687, 0.1183



18.9500, 0.2980, 0.3239



25.1140, 0.2054, 0.2595



2.4761, 0.2080, 0.2688

Inverse Universe

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



25.7216, 0.3751, 0.1888



25.4851, 0.3842, 0.1890



54.9736, 0.4730, 0.4548



17.4581, 0.3170, 0.3105



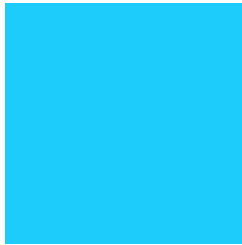
12.9462, 0.3829, 0.1883



1.2142, 0.3740, 0.1834

Previews

White Background



This preview shows how the Yxy color 50.4120, 0.2092, 0.2670 looks on a white background.

Color Contrast Check

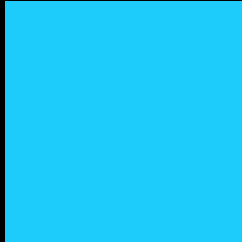
Large Text (above 18pt) WCAG AA × Fail

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 50.4120, 0.2092, 0.2670 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 50.4120, 0.2092, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 50.4120, 0.2092, 0.2670.



This preview shows how white text looks on a background with the Yxy color 50.4120, 0.2092, 0.2670.

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

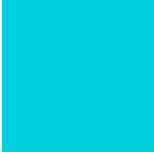
50.4120, 0.2092, 0.2670

Protanopia

49.8110, 0.2679, 0.2664

Deuteranopia

49.6080, 0.2520, 0.2456



Tritanopia

50.4936, 0.2184, 0.3063

Trichromacy



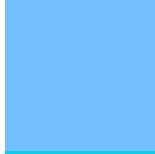
Original Color

50.4120, 0.2092, 0.2670



Protanomaly

48.1750, 0.2350, 0.2647



Deuteranomaly

48.1304, 0.2270, 0.2499



Tritanomaly

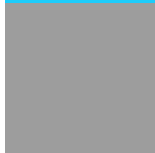
50.6307, 0.2148, 0.2917

Monochromacy



Original Color

50.4120, 0.2092, 0.2670



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.3487, 0.2514, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4120, 0.2092, 0.2670 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(29, 204, 251)` looks like.

```
.text, #text, p{  
    color:rgb(29, 204, 251)  
}
```

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(29, 204, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 204, 251) }
```

Border

The CSS property to change the border of an element to Yxy 50.4120, 0.2092, 0.2670 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(29, 204, 251) }
```

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

```
.border{ border-color:rgb(29, 204, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 204, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 204, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 204, 251);  
box-shadow:4px 4px 4px 4px rgb(29, 204,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4120, 0.2092, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 204, 251) }
```

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

```
.background{ background-color: rgb(29, 204,  
251) }
```

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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