

Converting Colors

$Yxy(52.3493, 0.2168, 0.2649)$

Have a look what the booklet for
Yxy(52.3493, 0.2168, 0.2649)
contains.

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Color

Yxy(52.4191, 0.2168, 0.2651)

Conversions

Conversions Part 1

Format	Color
Hex	4CCDFE
RGB	76, 205, 255
RGB Percent	30%, 80%, 100%
CMY	0.7013, 0.1961, 0.0001
CMYK	0.70, 0.20, 0.00, 0.00
HSL	197°, 100%, 65%
HSV	197°, 70%, 100%
XYZ	42.8686, 52.4191, 102.4456
YIQ	172.1290, -92.9340, -11.7980

Conversions

Conversions Part 2

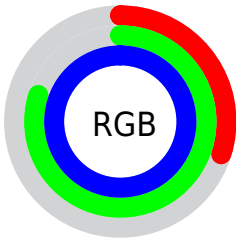
Format	Color
RYB	76, 151, 255
Decimal	5033471
CIELab	77.53, -19.70, -34.72
CIELCh	78, 39.920, 240.423
Yxy	52.4191, 0.2168, 0.2651
Android (android.graphics.Color)	4283223551 (0xFF4CCDFF)
YUV	172.1290, 40.8554, -84.3051
Hunter-Lab	72.4010, -21.0121, -33.2131

Details

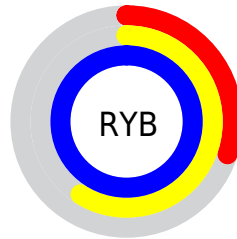
The Yxy color **52.4191, 0.2168, 0.2651** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.7439, 0.5100, 0.3746**, and the grayscale version is **41.1726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.2398, 0.2086, 0.2544**, and if you desaturate by 10%, it is **57.1713, 0.2269, 0.2757**.

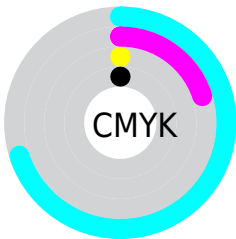
Distribution



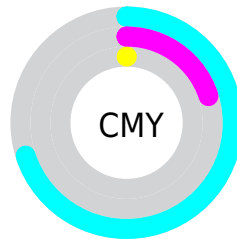
- Red (30%)
- Green (80%)
- Blue (100%)



- Red (30%)
- Yellow (59%)
- Blue (100%)



- Cyan (70%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.4191, 0.2168, 0.2651 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 52.4191, 0.2168, 0.2651 by changing the saturation by 10% instead.


 52.4191, 0.2168,
0.2651


 52.4191, 0.2168,
0.2651


396.0524, 0.2615,
0.2968

 37.3392, 0.2067,
0.2575


 93.7490, 0.2323,
0.2765

 25.4703, 0.1943,
0.2479


 120.7679, 0.2383,
0.2808

 16.4278, 0.1789,
0.2355


 152.5352, 0.2435,
0.2844

 9.8274, 0.1593,
0.2191

 189.4354, 0.2481,
0.2876

 5.2846, 0.1339,
0.1965

231.8528, 0.2521,
0.2904

 2.4152, 0.1008,
0.1646

280.1718, 0.2556,

 0.8337, 0.0448,

0.2928

0.1199

334.7769, 0.2587,
0.2949

0.0000, 0.0000,
0.0000

52.4191, 0.2168,
0.2651

52.4191, 0.2168,
0.2651

48.2398, 0.2086,
0.2544

57.1713, 0.2269,
0.2757

44.5737, 0.2025,
0.2438

62.5365, 0.2388,
0.2860

41.3726, 0.1982,
0.2335

68.5566, 0.2521,
0.2959

75.2676, 0.2665,
0.3052

82.7024, 0.2816,
0.3138

■ 90.8918, 0.2970,
0.3217

99.8641, 0.3125,
0.3289

99.9985, 0.3127,
0.3290

Harmonies

Analogous

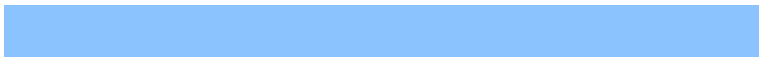
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.4191, 0.2218, 0.3050



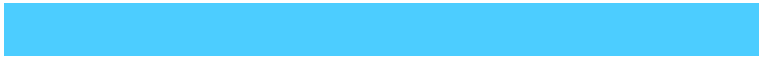
52.4191, 0.2168, 0.2651



52.4191, 0.2342, 0.2459

Triad

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



52.4191, 0.2168, 0.2651



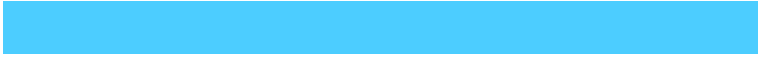
52.4191, 0.3772, 0.2990



52.4191, 0.3475, 0.4266

Complementary

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



52.4191, 0.2168, 0.2651



36.7439, 0.5100, 0.3746

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.



52.4191, 0.3932, 0.4145



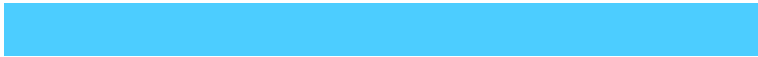
52.4191, 0.2168, 0.2651



52.4191, 0.4128, 0.3397

Square

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



52.4191, 0.2168, 0.2651



52.4191, 0.3242, 0.2662



52.4191, 0.4182, 0.3813



52.4191, 0.2947, 0.4062

Rectangle

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



52.4191, 0.2168, 0.2651



52.4191, 0.2574, 0.2446



52.4191, 0.4182, 0.3813



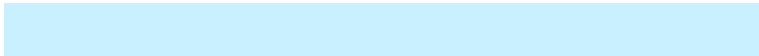
52.4191, 0.3642, 0.4258

Sweetspot

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



52.4210, 0.2168, 0.2651



82.0374, 0.2802, 0.3131



74.5008, 0.2862, 0.5032



17.1079, 0.2760, 0.3107



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.



52.4210, 0.2168, 0.2651



46.7701, 0.2060, 0.2503



21.6955, 0.1877, 0.1481



19.5724, 0.2980, 0.3222



21.8874, 0.1987, 0.2352



2.3157, 0.2020, 0.2472

Inverse Universe

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



30.8567, 0.3743, 0.2106



26.7775, 0.3907, 0.2016



69.4981, 0.4349, 0.4552



18.2086, 0.3181, 0.3120



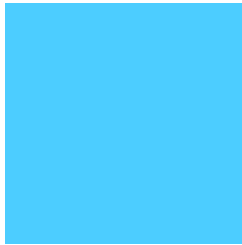
12.9375, 0.4072, 0.2017



1.2783, 0.3951, 0.1950

Previews

White Background



This preview shows how the Yxy color 52.4191, 0.2168, 0.2651 looks on a white background.

Color Contrast Check

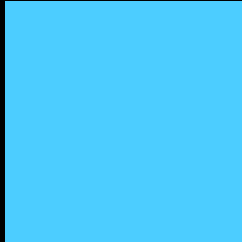
Large Text (above 18pt) WCAG AA × Fail

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 52.4191, 0.2168, 0.2651 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

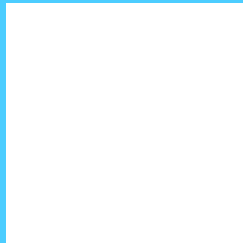
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.4191, 0.2168, 0.2651

Background



This preview shows how black text looks on a background with the Yxy color 52.4191, 0.2168, 0.2651.

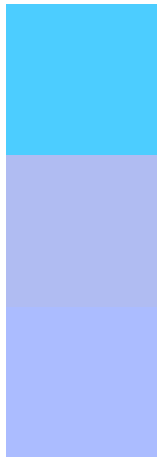


This preview shows how white text looks on a background with the Yxy color 52.4191, 0.2168, 0.2651.

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

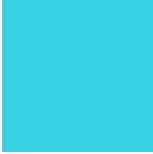
52.4191, 0.2168, 0.2651

Protanopia

51.6074, 0.2666, 0.2650

Deuteranopia

51.8444, 0.2558, 0.2511



Tritanopia

52.5091, 0.2246, 0.3055

Trichromacy



Original Color

52.4191, 0.2168, 0.2651



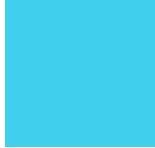
Protanomaly

50.8744, 0.2428, 0.2634



Deuteranomaly

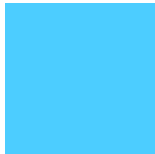
51.1219, 0.2374, 0.2547



Tritanomaly

52.3162, 0.2215, 0.2900

Monochromacy



Original Color

52.4191, 0.2168, 0.2651



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.8636, 0.2641, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4191, 0.2168, 0.2651 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(76, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.4191, 0.2168, 0.2651 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(76, 205, 255) }
```

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

```
.border{ border-color:rgb(76, 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(76, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4191, 0.2168, 0.2651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 205, 255) }
```

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

```
.background{ background-color: rgb(76, 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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