

Converting Colors

$Y_{xy}(52.3385, 0.2162, 0.2650)$

Have a look what the booklet for
Yxy(52.3385, 0.2162, 0.2650)
contains.

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Color

Yxy(52.3385, 0.2162, 0.2650)

Conversions

Conversions Part 1

Format	Color
Hex	4ACDFF
RGB	74, 205, 255
RGB Percent	29%, 80%, 100%
CMY	0.7102, 0.1960, 0.0000
CMYK	0.71, 0.20, 0.00, 0.00
HSL	197°, 100%, 64%
HSV	197°, 71%, 100%
XYZ	42.7003, 52.3385, 102.4650
YIQ	171.5310, -94.1260, -12.2220

Conversions

Conversions Part 2

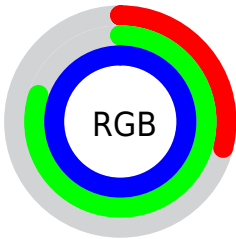
Format	Color
RYB	74, 150, 255
Decimal	4902399
CIELab	77.48, -20.00, -34.81
CIELCh	77, 40.149, 240.123
Yxy	52.3385, 0.2162, 0.2650
Android (android.graphics.Color)	4283092479 (0xFF4ACDFF)
YUV	171.5310, 41.1502, -85.5347
Hunter-Lab	72.3454, -21.2485, -33.3325

Details

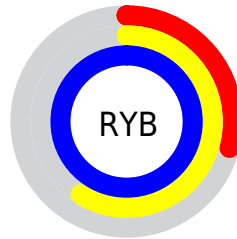
The Yxy color **52.3385, 0.2162, 0.2650** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.1431, 0.5140, 0.3740**, and the grayscale version is **40.8186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.2334, 0.2083, 0.2545**, and if you desaturate by 10%, it is **57.0075, 0.2261, 0.2755**.

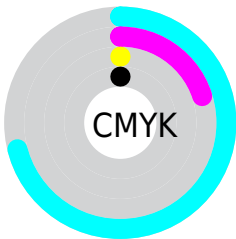
Distribution



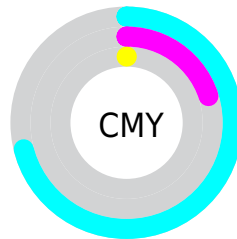
- Red (29%)
- Green (80%)
- Blue (100%)



- Red (29%)
- Yellow (59%)
- Blue (100%)



- Cyan (71%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3385, 0.2162, 0.2650 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 52.3385, 0.2162, 0.2650 by changing the saturation by 10% instead.


 52.3385, 0.2162,
0.2650

 52.3385, 0.2162,
0.2650

395.7420, 0.2612,
0.2968


 37.2750, 0.2060,
0.2573


 93.6303, 0.2318,
0.2764

 25.4205, 0.1936,
0.2477


 120.6273, 0.2378,
0.2807

 16.3906, 0.1781,
0.2353


 152.3709, 0.2431,
0.2844

 9.8010, 0.1584,
0.2188

 189.2455, 0.2477,
0.2876

 5.2672, 0.1329,
0.1962

231.6356, 0.2517,
0.2903

 2.4049, 0.0997,
0.1641

279.9254, 0.2552,

 0.8284, 0.0431,

0.2927

0.1194

334.4994, 0.2584,
0.2949

■ 0.0000, 0.0000,
0.0000

■ 52.3385, 0.2162,
0.2650

■ 52.3385, 0.2162,
0.2650

■ 48.2334, 0.2083,
0.2545

■ 57.0075, 0.2261,
0.2755

■ 44.6330, 0.2024,
0.2440

■ 62.2825, 0.2378,
0.2857

■ 41.7541, 0.1985,
0.2347

■ 68.2053, 0.2510,
0.2954

■ 74.8121, 0.2652,
0.3047

■ 82.1361, 0.2802,
0.3133

■ 90.2080, 0.2956,
0.3212

■ 99.0565, 0.3111,
0.3283

■ 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.



52.3385, 0.2214, 0.3053



52.3385, 0.2162, 0.2650



52.3385, 0.2335, 0.2455

Triad

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



52.3385, 0.2162, 0.2650



52.3385, 0.3772, 0.2984



52.3385, 0.3481, 0.4272

Complementary

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



52.3385, 0.2162, 0.2650



36.1431, 0.5140, 0.3740

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.



52.3385, 0.3940, 0.4148



52.3385, 0.2162, 0.2650



52.3385, 0.4132, 0.3393

Square

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



52.3385, 0.2162, 0.2650



52.3385, 0.3237, 0.2656



52.3385, 0.4189, 0.3811



52.3385, 0.2950, 0.4071

Rectangle

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



52.3385, 0.2162, 0.2650



52.3385, 0.2567, 0.2441



52.3385, 0.4189, 0.3811



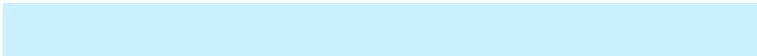
52.3385, 0.3650, 0.4263

Sweetspot

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



52.3399, 0.2162, 0.2650



82.1484, 0.2802, 0.3133



74.3823, 0.2862, 0.5057



17.1345, 0.2760, 0.3110



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.



52.3399, 0.2162, 0.2650



46.7418, 0.2057, 0.2503



21.2008, 0.1863, 0.1456



19.5837, 0.2980, 0.3223



22.0807, 0.1990, 0.2365



2.3332, 0.2023, 0.2483

Inverse Universe

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



30.5537, 0.3746, 0.2092



26.6099, 0.3909, 0.2007



69.2137, 0.4363, 0.4561



18.2098, 0.3181, 0.3119



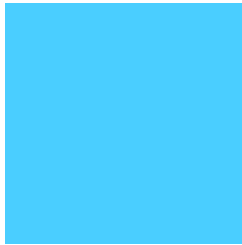
12.9570, 0.4059, 0.2010



1.2801, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 52.3385, 0.2162, 0.2650 looks on a white background.

Color Contrast Check

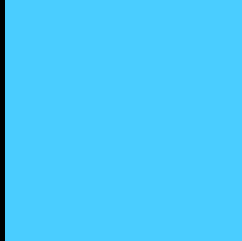
Large Text (above 18pt) WCAG AA × Fail

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 52.3385, 0.2162, 0.2650 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

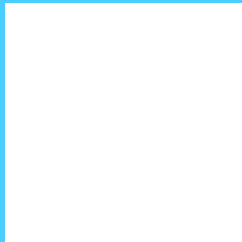
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3385, 0.2162, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 52.3385, 0.2162, 0.2650.



This preview shows how white text looks on a background with the Yxy color 52.3385, 0.2162, 0.2650.

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

52.3385, 0.2162, 0.2650

Protanopia

51.6074, 0.2666, 0.2650

Deuteranopia

51.8444, 0.2558, 0.2511



Tritanopia

52.4235, 0.2239, 0.3055

Trichromacy



Original Color

52.3385, 0.2162, 0.2650



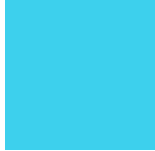
Protanomaly

50.7879, 0.2423, 0.2634



Deuteranomaly

51.0378, 0.2369, 0.2546



Tritanomaly

52.2183, 0.2208, 0.2900

Monochromacy



Original Color

52.3385, 0.2162, 0.2650



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.7795, 0.2635, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3385, 0.2162, 0.2650 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(74, 205, 255)` looks like.

```
.text, #text, p{  
  color:rgb(74, 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(74, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.3385, 0.2162, 0.2650 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(74, 205, 255) }
```

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

```
.border{ border-color:rgb(74, 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(74, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3385, 0.2162, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 205, 255) }
```

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

```
.background{ background-color: rgb(74, 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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