

Converting Colors

$Y_{xy}(42.7942, 0.2095, 0.2355)$

Have a look what the booklet for
Yxy(42.7942, 0.2095, 0.2355)
contains.

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Color

Yxy(42.6235, 0.2093, 0.2349)

Conversions

Conversions Part 1

Format	Color
Hex	4CB7FF
RGB	76, 183, 255
RGB Percent	30%, 72%, 100%
CMY	0.7012, 0.2824, 0.0000
CMYK	0.70, 0.28, 0.00, 0.00
HSL	204°, 100%, 65%
HSV	204°, 70%, 100%
XYZ	37.9783, 42.6235, 100.8520
YIQ	159.2150, -86.8840, -0.2920

Conversions

Conversions Part 2

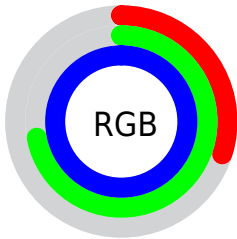
Format	Color
R _Y B	76, 143, 255
Decimal	5027839
CIE Lab	71.30, -8.02, -44.44
CIE LCh	71, 45.159, 259.776
Yxy	42.6235, 0.2093, 0.2349
Android (android.graphics.Color)	4283217919 (0xFF4CB7FF)
YUV	159.2150, 47.2220, -72.9796
Hunter-Lab	65.2867, -10.4154, -45.8880

Details

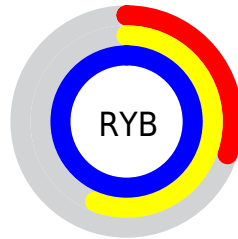
The Yxy color **42.6235, 0.2093, 0.2349** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **43.0353, 0.4897, 0.3963**, and the grayscale version is **34.6077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7926, 0.2501, 0.3105**, and **20.0425, 0.1922, 0.2120** is the 20% darker color. If you saturate the color by 10%, you get **37.6914, 0.1993, 0.2191**, and if you desaturate by 10%, it is **48.2787, 0.2213, 0.2507**.

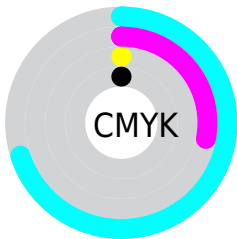
Distribution



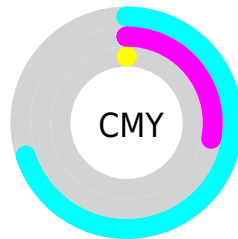
- Red (30%)
- Green (72%)
- Blue (100%)



- Red (30%)
- Yellow (56%)
- Blue (100%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6235, 0.2093, 0.2349 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 42.6235, 0.2093, 0.2349 by changing the saturation by 10% instead.


 42.6235, 0.2093,
0.2349


 42.6235, 0.2093,
0.2349


357.0611, 0.2589,
0.2811


 29.5898, 0.1979,
0.2240


 79.1424, 0.2267,
0.2513


 19.5275, 0.1838,
0.2103


 103.3964, 0.2334,
0.2576

 12.0520, 0.1662,
0.1931


 132.1593, 0.2392,
0.2630

 6.7791, 0.1439,
0.1707

 165.8155, 0.2442,
0.2676

 3.3243, 0.1151,
0.1412

204.7494, 0.2485,
0.2716

 1.3033, 0.0787,
0.1023

249.3454, 0.2524,

 0.1438, 0.0000,

0.2752

0.0251

299.9878, 0.2558,
0.2783

■ 0.0000, 0.0000,
0.0000

■ 42.6235, 0.2093,
0.2349

■ 42.6235, 0.2093,
0.2349

■ 37.6914, 0.1993,
0.2191

■ 48.2787, 0.2213,
0.2507

■ 33.4239, 0.1915,
0.2035

■ 54.7071, 0.2349,
0.2660

■ 29.7686, 0.1857,
0.1885

■ 61.9528, 0.2497,
0.2807

■ 70.0562, 0.2653,
0.2944

■ 79.0539, 0.2811,
0.3070

■ 88.9806, 0.2970,
0.3185

99.8683, 0.3125,
0.3289

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.



42.6235, 0.1980, 0.2654



42.6235, 0.2093, 0.2349



42.6235, 0.2453, 0.2290

Triad

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



42.6235, 0.2093, 0.2349



42.6235, 0.4227, 0.3226



42.6235, 0.3120, 0.4380

Complementary

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



42.6235, 0.2093, 0.2349



43.0353, 0.4897, 0.3963

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.



42.6235, 0.3744, 0.4461



42.6235, 0.2093, 0.2349



42.6235, 0.4424, 0.3720

Square

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



42.6235, 0.2093, 0.2349



42.6235, 0.3690, 0.2777



42.6235, 0.4230, 0.4178



42.6235, 0.2531, 0.3882

Rectangle

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



42.6235, 0.2093, 0.2349



42.6235, 0.2815, 0.2372



42.6235, 0.4230, 0.4178



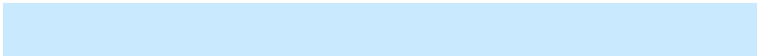
42.6235, 0.3333, 0.4457

Sweetspot

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



42.6235, 0.2093, 0.2349



78.2213, 0.2797, 0.3059



75.1943, 0.2766, 0.4718



16.1960, 0.2753, 0.3025



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.



42.6235, 0.2093, 0.2349



35.9584, 0.1960, 0.2130



16.7854, 0.1811, 0.1213



19.1820, 0.2979, 0.3192



15.8552, 0.1864, 0.1910



1.7581, 0.1912, 0.2083

Inverse Universe

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



29.8752, 0.4028, 0.2297



25.6861, 0.4289, 0.2241



82.4228, 0.4182, 0.4731



18.1692, 0.3200, 0.3149



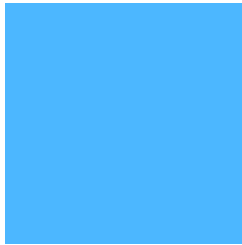
12.3286, 0.4556, 0.2283



1.2220, 0.4360, 0.2175

Previews

White Background



This preview shows how the Yxy color 42.6235, 0.2093, 0.2349 looks on a white background.

Color Contrast Check

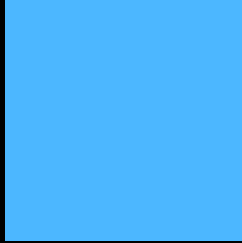
Large Text (above 18pt) WCAG AA × Fail

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 42.6235, 0.2093, 0.2349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

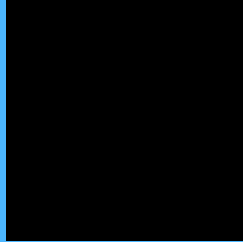
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

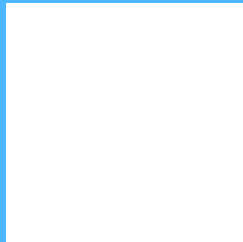
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6235, 0.2093, 0.2349

Background



This preview shows how black text looks on a background with the Yxy color 42.6235, 0.2093, 0.2349.

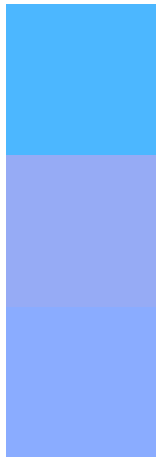


This preview shows how white text looks on a background with the Yxy color 42.6235, 0.2093, 0.2349.

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

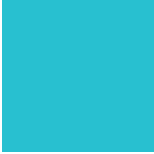
42.6235, 0.2093, 0.2349

Protanopia

42.2024, 0.2450, 0.2370

Deuteranopia

42.1283, 0.2329, 0.2267



Tritanopia

42.7045, 0.2221, 0.3048

Trichromacy



Original Color

42.6235, 0.2093, 0.2349

Protanomaly

41.7105, 0.2283, 0.2345

Deuteranomaly

41.9837, 0.2224, 0.2290

Tritanomaly

42.5883, 0.2166, 0.2774

Monochromacy



Original Color

42.6235, 0.2093, 0.2349

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.5674, 0.2608, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6235, 0.2093, 0.2349 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, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 183, 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, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.6235, 0.2093, 0.2349 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, 183, 255) }
```

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

```
.border{ border-color:rgb(76, 183, 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, 183, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6235, 0.2093, 0.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 183, 255) }
```

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

```
.background{ background-color: rgb(76, 183,  
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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