

Converting Colors

$Y_{xy}(52.4656, 0.2103, 0.2760)$

Have a look what the booklet for
Yxy(52.4656, 0.2103, 0.2760)
contains.

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Color

Yxy(52.4857, 0.2103, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	06D1F9
RGB	6, 209, 249
RGB Percent	2%, 82%, 98%
CMY	0.9755, 0.1803, 0.0236
CMYK	0.97, 0.16, 0.00, 0.02
HSL	190°, 95%, 50%
HSV	190°, 97%, 98%
XYZ	39.9773, 52.4857, 97.6337
YIQ	152.8630, -133.8280, -30.5960

Conversions

Conversions Part 2

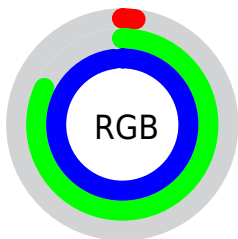
Format	Color
RYB	6, 117, 249
Decimal	446969
CIELab	77.57, -28.70, -31.53
CIELCh	78, 42.636, 227.695
Yxy	52.4857, 0.2103, 0.2761
Android (android.graphics.Color)	4278637049 (0xFF06D1F9)
YUV	152.8630, 47.3955, -128.7989
Hunter-Lab	72.4470, -28.2833, -29.1896

Details

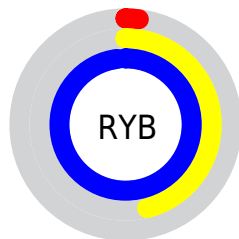
The Yxy color **52.4857, 0.2103, 0.2761** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.1212, 0.6210, 0.3428**, and the grayscale version is **31.6626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **26.9170, 0.2067, 0.2640** is the 20% darker color. If you saturate the color by 10%, you get **51.9447, 0.2096, 0.2746**, and if you desaturate by 10%, it is **54.7787, 0.2136, 0.2820**.

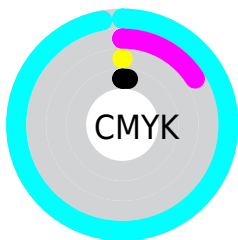
Distribution



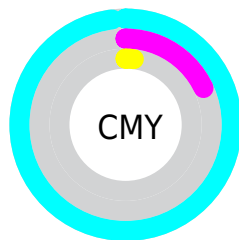
- Red (2%)
- Green (82%)
- Blue (98%)



- Red (2%)
- Yellow (46%)
- Blue (98%)



- Cyan (97%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)




- Cyan (98%)
- Magenta (18%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 52.4857, 0.2103, 0.2761 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 52.4857, 0.2103, 0.2761 by changing the saturation by 10% instead.


 52.4857, 0.2103,
0.2761

 52.4857, 0.2103,
0.2761


 396.3088, 0.2579,
0.3032


 37.3924, 0.1996,
0.2694


 93.8472, 0.2267,
0.2860

 25.5114, 0.1865,
0.2608


 120.8841, 0.2332,
0.2897

 16.4585, 0.1702,
0.2496

 152.6709, 0.2387,
0.2928

 9.8492, 0.1496,
0.2344

 189.5922, 0.2435,
0.2955

 5.2991, 0.1231,
0.2130

 232.0322, 0.2478,
0.2978

 2.4238, 0.0890,
0.1817

 280.3754, 0.2516,

 0.8381, 0.0159,

0.2998

0.1385

335.0061, 0.2549,
0.3016

■ 0.0000, 0.0000,
0.0000

■ 52.4857, 0.2103,
0.2761

■ 52.4857, 0.2103,
0.2761

■ 51.9447, 0.2096,
0.2746

■ 54.7787, 0.2136,
0.2820

■ 57.4172, 0.2186,
0.2879

■ 60.4645, 0.2257,
0.2939

■ 63.9676, 0.2346,
0.2998

■ 67.9664, 0.2454,
0.3056

■ 72.4961, 0.2577,
0.3112

■ 77.5884, 0.2713,
0.3164

■ 83.2723, 0.2859,
0.3213

■ 89.5748, 0.3011,
0.3259

Harmonies

Analogous

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



52.4857, 0.2256, 0.3264



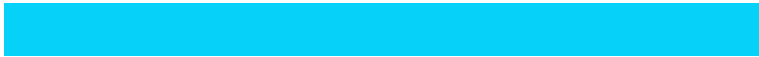
52.4857, 0.2103, 0.2761



52.4857, 0.2188, 0.2465

Triad

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



52.4857, 0.2103, 0.2761



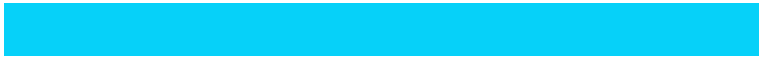
52.4857, 0.3586, 0.2809



52.4857, 0.3718, 0.4314

Complementary

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



52.4857, 0.2103, 0.2761



22.1212, 0.6210, 0.3428

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.



52.4857, 0.4130, 0.4064



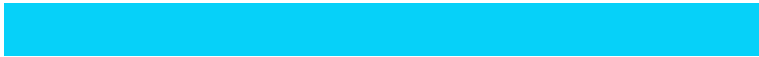
52.4857, 0.2103, 0.2761



52.4857, 0.4070, 0.3211

Square

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



52.4857, 0.2103, 0.2761



52.4857, 0.3000, 0.2518



52.4857, 0.4271, 0.3656



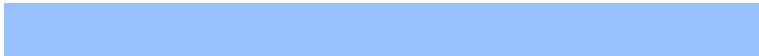
52.4857, 0.3169, 0.4256

Rectangle

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



52.4857, 0.2103, 0.2761



52.4857, 0.2372, 0.2393



52.4857, 0.4271, 0.3656



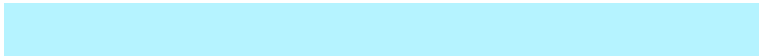
52.4857, 0.3878, 0.4258

Sweetspot

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



52.4875, 0.2103, 0.2761



81.0454, 0.2692, 0.3156



67.9548, 0.2967, 0.5864



16.8483, 0.2633, 0.3134



0.0000, 0.0000, 0.0000



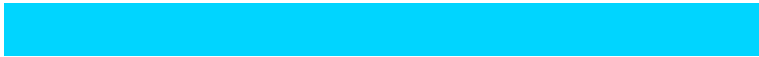
21.4041, 0.3127, 0.3290

Same Dimension

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



52.4875, 0.2103, 0.2761



54.8146, 0.2096, 0.2746



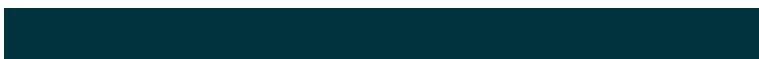
14.3955, 0.1653, 0.1137



19.0933, 0.2980, 0.3250



27.9884, 0.2099, 0.2756



2.7175, 0.2119, 0.2826

Inverse Universe

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



24.8768, 0.3670, 0.1803



26.0647, 0.3685, 0.1804



46.7106, 0.4964, 0.4427



17.4726, 0.3163, 0.3094



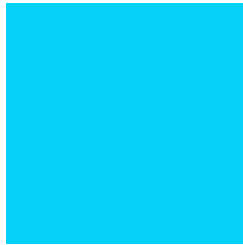
13.2364, 0.3676, 0.1798



1.2386, 0.3610, 0.1763

Previews

White Background



This preview shows how the Yxy color 52.4857, 0.2103, 0.2761 looks on a white background.

Color Contrast Check

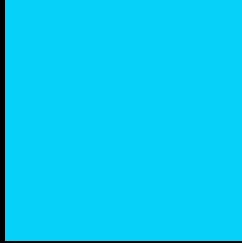
Large Text (above 18pt) WCAG AA × Fail

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 52.4857, 0.2103, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

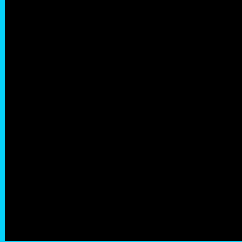
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.4857, 0.2103, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 52.4857, 0.2103, 0.2761.



This preview shows how white text looks on a background with the Yxy color 52.4857, 0.2103, 0.2761.

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

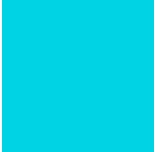
52.4792, 0.2103, 0.2761

Protanopia

51.4907, 0.2736, 0.2739

Deuteranopia

51.5806, 0.2575, 0.2511



Tritanopia

52.1900, 0.2181, 0.3052

Trichromacy



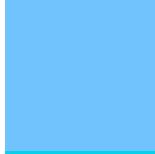
Original Color

52.4792, 0.2103, 0.2761



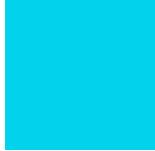
Protanomaly

49.4249, 0.2351, 0.2732



Deuteranomaly

49.5032, 0.2272, 0.2570



Tritanomaly

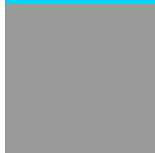
52.1622, 0.2149, 0.2934

Monochromacy



Original Color

52.4792, 0.2103, 0.2761



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.2273, 0.2470, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4857, 0.2103, 0.2761 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(6, 209, 249)` looks like.

```
.text, #text, p{  
  color:rgb(6, 209, 249)  
}
```

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(6, 209, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 209, 249) }
```

Border

The CSS property to change the border of an element to Yxy 52.4857, 0.2103, 0.2761 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(6, 209, 249) }
```

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

```
.border{ border-color:rgb(6, 209, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 209, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 209, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 209, 249);  
box-shadow:4px 4px 4px 4px rgb(6, 209,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4857, 0.2103, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 209, 249) }
```

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

```
.background{ background-color: rgb(6, 209,  
249) }
```

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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