

Converting Colors

$Y_{xy}(54.2866, 0.2141, 0.2906)$

Have a look what the booklet for
Yxy(54.2866, 0.2141, 0.2906)
contains.

Yxy(54.5104, 0.2144, 0.2915)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.5104, 0.2144, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	02D6F2
RGB	2, 214, 242
RGB Percent	1%, 84%, 95%
CMY	0.9920, 0.1608, 0.0511
CMYK	0.99, 0.12, 0.00, 0.05
HSL	187°, 98%, 48%
HSV	187°, 99%, 95%
XYZ	40.0927, 54.5104, 92.3965
YIQ	153.8040, -135.3400, -36.2360

Conversions

Conversions Part 2

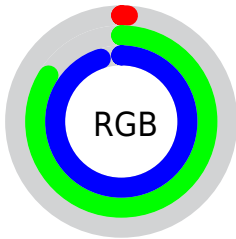
Format	Color
R _Y B	2, 115, 242
Decimal	186098
CIE Lab	78.76, -33.46, -25.97
CIE LCh	79, 42.355, 217.821
Yxy	54.5104, 0.2144, 0.2915
Android (android.graphics.Color)	4278376178 (0xFF02D6F2)
YUV	153.8040, 43.4806, -133.1321
Hunter-Lab	73.8312, -32.2732, -22.5171

Details

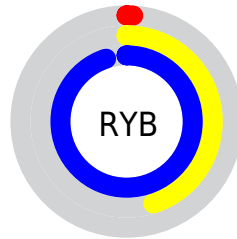
The Yxy color **54.5104, 0.2144, 0.2915** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **19.8087, 0.6305, 0.3367**, and the grayscale version is **32.0786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **28.3414, 0.2117, 0.2823** is the 20% darker color. If you saturate the color by 10%, you get **54.3782, 0.2142, 0.2912**, and if you desaturate by 10%, it is **56.1632, 0.2169, 0.2955**.

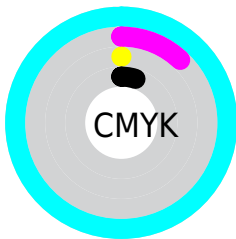
Distribution



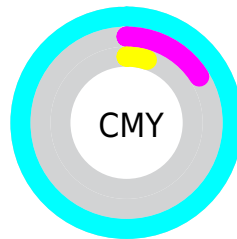
- Red (1%)
- Green (84%)
- Blue (95%)



- Red (1%)
- Yellow (45%)
- Blue (95%)



- Cyan (99%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)





- Cyan (99%)
- Magenta (16%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5104, 0.2144, 0.2915 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 54.5104, 0.2144, 0.2915 by changing the saturation by 10% instead.

 54.5104, 0.2144,
0.2915


 54.5104, 0.2144,
0.2915


404.0533, 0.2601,
0.3112


 39.0099, 0.2041,
0.2864


 96.8232, 0.2302,
0.2988


 26.7674, 0.1915,
0.2799


 124.4043, 0.2363,
0.3015

 17.3986, 0.1758,
0.2712


 156.7811, 0.2417,
0.3038

 10.5191, 0.1557,
0.2592

 194.3379, 0.2463,
0.3057

 5.7445, 0.1298,
0.2418

 237.4591, 0.2504,
0.3074

 2.6903, 0.0957,
0.2150

286.5292, 0.2540,

 0.9723, 0.0191,

0.3088

0.1774

341.9324, 0.2572,
0.3101

■ 0.0000, 0.0000,
0.0000

■ 54.5104, 0.2144,
0.2915

■ 54.5104, 0.2144,
0.2915

■ 54.3782, 0.2142,
0.2912

■ 56.1632, 0.2169,
0.2955

■ 58.0958, 0.2210,
0.2996

■ 60.3788, 0.2271,
0.3037

■ 63.0572, 0.2351,
0.3078

■ 66.1688, 0.2450,
0.3119

■ 69.7467, 0.2565,
0.3158

■ 73.8208, 0.2695,
0.3195

■ 78.4184, 0.2836,
0.3230

■ 83.5647, 0.2986,
0.3263

Harmonies

Analogous

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



54.5104, 0.2372, 0.3455



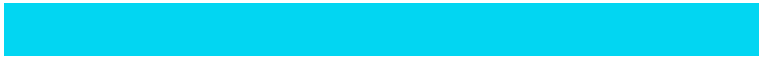
54.5104, 0.2144, 0.2915



54.5104, 0.2151, 0.2551

Triad

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



54.5104, 0.2144, 0.2915



54.5104, 0.3389, 0.2708



54.5104, 0.3863, 0.4241

Complementary

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



54.5104, 0.2144, 0.2915



19.8087, 0.6305, 0.3367

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.



54.5104, 0.4192, 0.3930



54.5104, 0.2144, 0.2915



54.5104, 0.3919, 0.3075

Square

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



54.5104, 0.2144, 0.2915



54.5104, 0.2825, 0.2471



54.5104, 0.4221, 0.3507



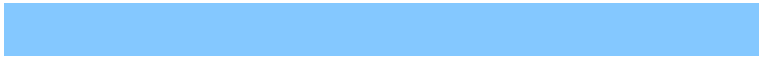
54.5104, 0.3352, 0.4296

Rectangle

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



54.5104, 0.2144, 0.2915



54.5104, 0.2284, 0.2432



54.5104, 0.4221, 0.3507



54.5104, 0.4000, 0.4159

Sweetspot

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



54.5124, 0.2144, 0.2915



82.7022, 0.2682, 0.3192



63.5807, 0.2984, 0.5936



17.2762, 0.2626, 0.3176



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.



54.5124, 0.2144, 0.2915



61.2081, 0.2142, 0.2911



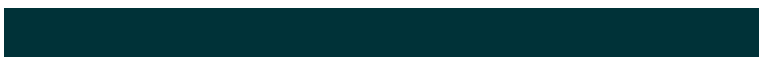
15.1623, 0.1682, 0.1249



17.5957, 0.2981, 0.3262



29.3492, 0.2144, 0.2918



2.5299, 0.2159, 0.2972

Inverse Universe

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



23.7730, 0.3530, 0.1720



26.7101, 0.3534, 0.1720



39.4385, 0.5124, 0.4308



15.9978, 0.3156, 0.3084



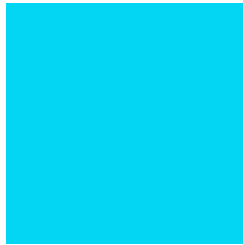
12.7562, 0.3527, 0.1717



1.0701, 0.3479, 0.1690

Previews

White Background



This preview shows how the Yxy color 54.5104, 0.2144, 0.2915 looks on a white background.

Color Contrast Check

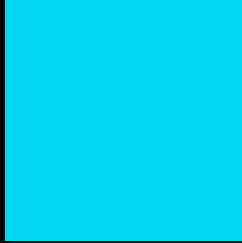
Large Text (above 18pt) WCAG AA × Fail

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 54.5104, 0.2144, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

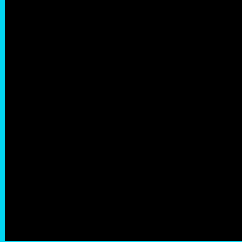
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.5104, 0.2144, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 54.5104, 0.2144, 0.2915.



This preview shows how white text looks on a background with the Yxy color 54.5104, 0.2144, 0.2915.

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

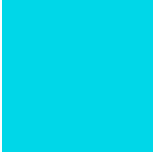
54.5168, 0.2144, 0.2915

Protanopia

53.8101, 0.2841, 0.2873

Deuteranopia

53.7327, 0.2692, 0.2632



Tritanopia

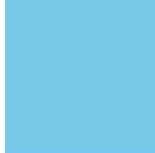
54.4271, 0.2182, 0.3056

Trichromacy



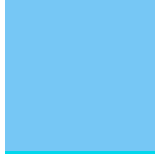
Original Color

54.5168, 0.2144, 0.2915



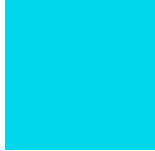
Protanomaly

51.1278, 0.2413, 0.2872



Deuteranomaly

51.2910, 0.2340, 0.2705



Tritanomaly

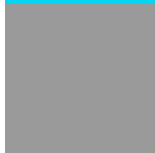
54.6635, 0.2168, 0.3004

Monochromacy



Original Color

54.5168, 0.2144, 0.2915



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.2485, 0.2485, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5104, 0.2144, 0.2915 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(2, 214, 242)` looks like.

```
.text, #text, p{  
    color:rgb(2, 214, 242)  
}
```

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(2, 214, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 214, 242) }
```

Border

The CSS property to change the border of an element to Yxy 54.5104, 0.2144, 0.2915 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(2, 214, 242) }
```

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

```
.border{ border-color:rgb(2, 214, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 214, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 214, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 214, 242);  
box-shadow:4px 4px 4px 4px rgb(2, 214,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5104, 0.2144, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 214, 242) }
```

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

```
.background{ background-color: rgb(2, 214,  
242) }
```

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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