

Converting Colors

$Y_{xy}(44.9343, 0.2062, 0.2624)$

Have a look what the booklet for
Yxy(44.9343, 0.2062, 0.2624)
contains.

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Color

Yxy(44.9944, 0.2064, 0.2629)

Conversions

Conversions Part 1

Format	Color
Hex	01C2F2
RGB	1, 194, 242
RGB Percent	0%, 76%, 95%
CMY	0.9973, 0.2392, 0.0510
CMYK	1.00, 0.20, 0.00, 0.05
HSL	192°, 99%, 48%
HSV	192°, 100%, 95%
XYZ	35.3246, 44.9944, 90.8274
YIQ	141.7650, -130.4360, -25.9880

Conversions

Conversions Part 2

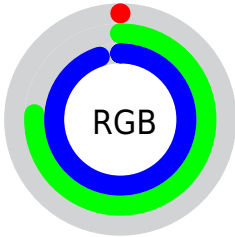
Format	Color
R _Y B	1, 108, 242
Decimal	115442
CIE Lab	72.89, -23.65, -35.01
CIE LCh	73, 42.255, 235.962
Yxy	44.9944, 0.2064, 0.2629
Android (android.graphics.Color)	4278305522 (0xFF01C2F2)
YUV	141.7650, 49.4159, -123.4509
Hunter-Lab	67.0779, -23.3844, -33.3277

Details

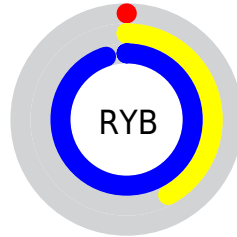
The Yxy color **44.9944, 0.2064, 0.2629** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.0507, 0.6196, 0.3459**, and the grayscale version is **26.7529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5939, 0.2407, 0.3241**, and **22.3013, 0.2019, 0.2469** is the 20% darker color. If you saturate the color by 10%, you get **44.9301, 0.2063, 0.2627**, and if you desaturate by 10%, it is **47.3747, 0.2098, 0.2701**.

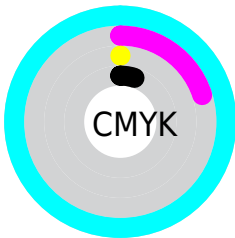
Distribution



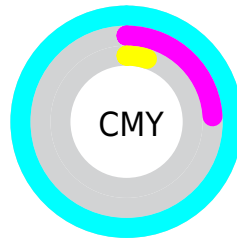
- Red (0%)
- Green (76%)
- Blue (95%)



- Red (0%)
- Yellow (42%)
- Blue (95%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9944, 0.2064, 0.2629 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 44.9944, 0.2064, 0.2629 by changing the saturation by 10% instead.

44.9944, 0.2064,
0.2629

44.9944, 0.2064,
0.2629

366.7509, 0.2569,
0.2968

31.4530, 0.1948,
0.2544

82.7120, 0.2241,
0.2753

20.9441, 0.1805,
0.2436

107.6570, 0.2309,
0.2799

13.0831, 0.1627,
0.2295

137.1720, 0.2368,
0.2838

7.4858, 0.1399,
0.2104

171.6414, 0.2419,
0.2872

3.7677, 0.1106,
0.1837

211.4496, 0.2464,
0.2901

1.5445, 0.0733,
0.1453

256.9810, 0.2503,

0.3197, 0.0000,

0.2926

0.0707

308.6200, 0.2538,
0.2949

■ 0.0000, 0.0000,
0.0000

■ 44.9944, 0.2064,
0.2629

■ 44.9944, 0.2064,
0.2629

■ 44.9301, 0.2063,
0.2627

■ 47.3747, 0.2098,
0.2701

■ 50.0727, 0.2150,
0.2774

■ 53.1640, 0.2221,
0.2847

■ 56.6947, 0.2311,
0.2920

■ 60.7033, 0.2419,
0.2991

■ 65.2238, 0.2543,
0.3060

■ 70.2868, 0.2680,
0.3124

■ 75.9199, 0.2825,
0.3185

■ 82.1491, 0.2977,
0.3241

Harmonies

Analogous

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



44.9944, 0.2153, 0.3098



44.9944, 0.2064, 0.2629



44.9944, 0.2218, 0.2389

Triad

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



44.9944, 0.2064, 0.2629



44.9944, 0.3764, 0.2896



44.9944, 0.3590, 0.4381

Complementary

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



44.9944, 0.2064, 0.2629



21.0507, 0.6196, 0.3459

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.



44.9944, 0.4074, 0.4188



44.9944, 0.2064, 0.2629



44.9944, 0.4204, 0.3331

Square

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



44.9944, 0.2064, 0.2629



44.9944, 0.3160, 0.2557



44.9944, 0.4313, 0.3791



44.9944, 0.3006, 0.4217

Rectangle

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



44.9944, 0.2064, 0.2629



44.9944, 0.2449, 0.2356



44.9944, 0.4313, 0.3791



44.9944, 0.3770, 0.4350

Sweetspot

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



44.9960, 0.2064, 0.2629



78.9352, 0.2674, 0.3122



63.6984, 0.2957, 0.5844



16.3651, 0.2616, 0.3095



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.



44.9960, 0.2064, 0.2629



50.5333, 0.2063, 0.2625



11.7381, 0.1616, 0.1014



17.3635, 0.2981, 0.3242



24.3341, 0.2066, 0.2639



2.1586, 0.2093, 0.2734

Inverse Universe

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



22.7872, 0.3796, 0.1866



25.6325, 0.3800, 0.1867



46.0015, 0.4899, 0.4491



15.9744, 0.3168, 0.3103



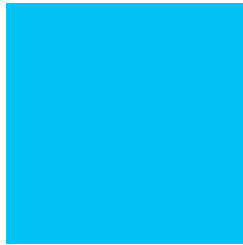
12.2499, 0.3786, 0.1860



1.0326, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 44.9944, 0.2064, 0.2629 looks on a white background.

Color Contrast Check

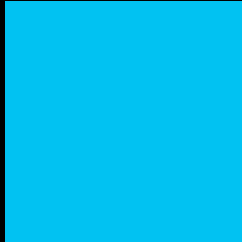
Large Text (above 18pt) WCAG AA × Fail

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 44.9944, 0.2064, 0.2629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

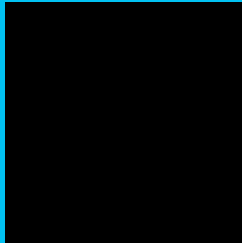
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9944, 0.2064, 0.2629

Background



This preview shows how black text looks on a background with the Yxy color 44.9944, 0.2064, 0.2629.



This preview shows how white text looks on a background with the Yxy color 44.9944, 0.2064, 0.2629.

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

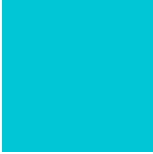
45.0008, 0.2064, 0.2629

Protanopia

44.5446, 0.2653, 0.2636

Deuteranopia

44.2823, 0.2484, 0.2418



Tritanopia

45.1923, 0.2185, 0.3067

Trichromacy



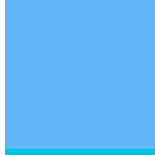
Original Color

45.0008, 0.2064, 0.2629



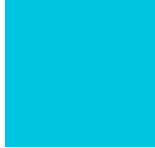
Protanomaly

42.7534, 0.2290, 0.2613



Deuteranomaly

42.7011, 0.2209, 0.2459



Tritanomaly

45.3143, 0.2139, 0.2900

Monochromacy



Original Color

45.0008, 0.2064, 0.2629



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.9282, 0.2441, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9944, 0.2064, 0.2629 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(1, 194, 242)` looks like.

```
.text, #text, p{  
    color:rgb(1, 194, 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(1, 194, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 194, 242) }
```

Border

The CSS property to change the border of an element to Yxy 44.9944, 0.2064, 0.2629 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(1, 194, 242) }
```

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

```
.border{ border-color:rgb(1, 194, 242) }
```

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

Here you see how a box with a 4 pixel rgb(1, 194, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 194, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 194, 242);  
box-shadow:4px 4px 4px 4px rgb(1, 194,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9944, 0.2064, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 194, 242) }
```

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

```
.background{ background-color: rgb(1, 194,  
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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