

Converting Colors

$Y_{xy}(37.7671, 0.1445, 0.2513)$

Have a look what the booklet for
Yxy(37.7671, 0.1445, 0.2513)
contains.

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Color

Yxy(44.6110, 0.2056, 0.2603)

Conversions

Conversions Part 1

Format	Color
Hex	00C1F3
RGB	0, 193, 243
RGB Percent	0%, 76%, 95%
CMY	1.0000, 0.2431, 0.0471
CMYK	1.00, 0.21, 0.00, 0.05
HSL	192°, 100%, 48%
HSV	192°, 100%, 95%
XYZ	35.2363, 44.6110, 91.5357
YIQ	140.9930, -131.0780, -25.3660

Conversions

Conversions Part 2

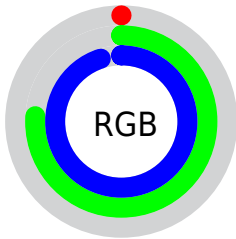
Format	Color
RYB	0, 108, 243
Decimal	49651
CIELab	72.64, -22.86, -35.94
CIELCh	73, 42.594, 237.541
Yxy	44.6110, 0.2056, 0.2603
Android (android.graphics.Color)	4278239731 (0xFF00C1F3)
YUV	140.9930, 50.2895, -123.6509
Hunter-Lab	66.7915, -22.7160, -34.5011

Details

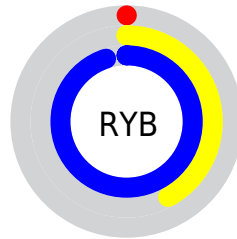
The Yxy color **44.6110, 0.2056, 0.2603** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.3306, 0.6191, 0.3466**, and the grayscale version is **26.4750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9707, 0.2404, 0.3230**, and **22.0531, 0.2010, 0.2435** is the 20% darker color. If you saturate the color by 10%, you get **44.6187, 0.2057, 0.2603**, and if you desaturate by 10%, it is **47.0635, 0.2091, 0.2678**.

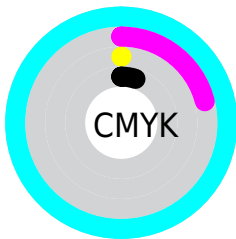
Distribution



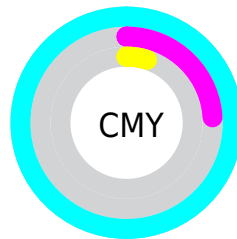
- Red (0%)
- Green (76%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6110, 0.2056, 0.2603 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 44.6110, 0.2056, 0.2603 by changing the saturation by 10% instead.


 44.6110, 0.2056,
0.2603


 44.6110, 0.2056,
0.2603


365.1958, 0.2566,
0.2955

 31.1511, 0.1939,
0.2515


 82.1364, 0.2234,
0.2731

 20.7140, 0.1795,
0.2404


 106.9707, 0.2303,
0.2779

 12.9151, 0.1615,
0.2259


 136.3652, 0.2362,
0.2820

 7.3701, 0.1387,
0.2063

 170.7044, 0.2414,
0.2855

 3.6946, 0.1093,
0.1791

 210.3727, 0.2459,
0.2885

 1.5042, 0.0719,
0.1402

255.7544, 0.2499,

 0.2917, 0.0000,

0.2911

0.0636

307.2340, 0.2534,
0.2934

■ 0.0000, 0.0000,
0.0000

■ 44.6110, 0.2056,
0.2603

■ 44.6110, 0.2056,
0.2603

■ 44.6187, 0.2057,
0.2603

■ 47.0635, 0.2091,
0.2678

■ 49.8310, 0.2143,
0.2754

■ 52.9989, 0.2214,
0.2830

■ 56.6138, 0.2305,
0.2905

■ 60.7151, 0.2414,
0.2979

■ 65.3371, 0.2538,
0.3050

■ 70.5109, 0.2675,
0.3117

■ 76.2647, 0.2821,
0.3180

■ 82.6247, 0.2973,
0.3237

Harmonies

Analogous

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



44.6110, 0.2132, 0.3066



44.6110, 0.2056, 0.2603



44.6110, 0.2224, 0.2374

Triad

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



44.6110, 0.2056, 0.2603



44.6110, 0.3801, 0.2913



44.6110, 0.3564, 0.4395

Complementary

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



44.6110, 0.2056, 0.2603



21.3306, 0.6191, 0.3466

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.



44.6110, 0.4063, 0.4214



44.6110, 0.2056, 0.2603



44.6110, 0.4231, 0.3355

Square

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



44.6110, 0.2056, 0.2603



44.6110, 0.3192, 0.2565



44.6110, 0.4321, 0.3819



44.6110, 0.2974, 0.4208

Rectangle

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



44.6110, 0.2056, 0.2603



44.6110, 0.2465, 0.2349



44.6110, 0.4321, 0.3819



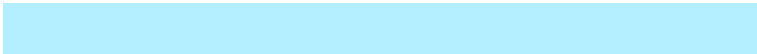
44.6110, 0.3748, 0.4369

Sweetspot

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



44.6187, 0.2057, 0.2603



78.6348, 0.2674, 0.3116



64.3112, 0.2951, 0.5822



16.2926, 0.2615, 0.3088



0.0000, 0.0000, 0.0000



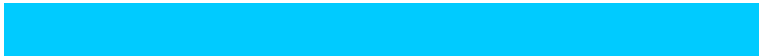
21.4041, 0.3127, 0.3290

Same Dimension

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



44.6187, 0.2057, 0.2603



49.7256, 0.2056, 0.2601



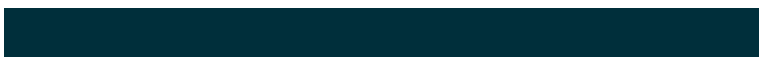
11.2216, 0.1603, 0.0970



18.1452, 0.2980, 0.3240



24.6909, 0.2060, 0.2615



2.3125, 0.2086, 0.2709

Inverse Universe

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



22.9033, 0.3821, 0.1879



25.5510, 0.3823, 0.1880



47.8355, 0.4857, 0.4525



16.7065, 0.3169, 0.3104



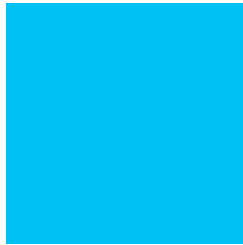
12.5919, 0.3809, 0.1872



1.1211, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 44.6110, 0.2056, 0.2603 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 44.6110, 0.2056, 0.2603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

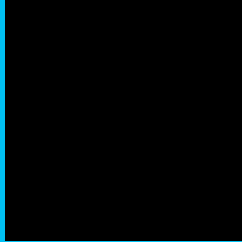
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6110, 0.2056, 0.2603

Background



This preview shows how black text looks on a background with the Yxy color 44.6110, 0.2056, 0.2603.

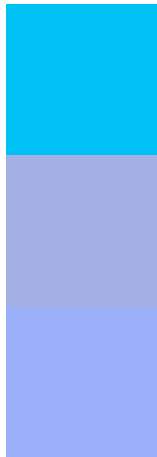


This preview shows how white text looks on a background with the Yxy color 44.6110, 0.2056, 0.2603.

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

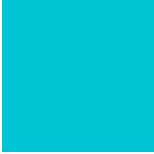
44.6110, 0.2056, 0.2603

Protanopia

44.1036, 0.2638, 0.2610

Deuteranopia

44.1476, 0.2466, 0.2405



Tritanopia

44.6860, 0.2185, 0.3066

Trichromacy



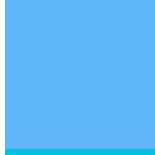
Original Color

44.6110, 0.2056, 0.2603



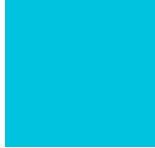
Protanomaly

42.3395, 0.2278, 0.2587



Deuteranomaly

42.6511, 0.2196, 0.2446



Tritanomaly

44.8076, 0.2139, 0.2899

Monochromacy



Original Color

44.6110, 0.2056, 0.2603



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.5296, 0.2432, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6110, 0.2056, 0.2603 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(0, 193, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 243)  
}
```

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(0, 193, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 243) }
```

Border

The CSS property to change the border of an element to Yxy 44.6110, 0.2056, 0.2603 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(0, 193, 243) }
```

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

```
.border{ border-color:rgb(0, 193, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6110, 0.2056, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 243) }
```

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

```
.background{ background-color: rgb(0, 193,  
243) }
```

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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