

Converting Colors

$Yxy(44.3028, 0.2076, 0.2674)$

Have a look what the booklet for
Yxy(44.3028, 0.2076, 0.2674)
contains.

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Color

Yxy(44.2544, 0.2076, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	00C1ED
RGB	0, 193, 237
RGB Percent	0%, 76%, 93%
CMY	1.0000, 0.2431, 0.0707
CMYK	1.00, 0.19, 0.00, 0.07
HSL	191°, 100%, 46%
HSV	191°, 100%, 93%
XYZ	34.3447, 44.2544, 86.8379
YIQ	140.3090, -129.1520, -27.2320

Conversions

Conversions Part 2

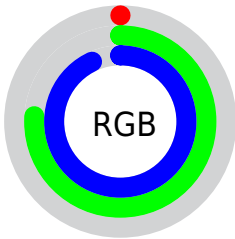
Format	Color
R _{YB}	0, 106, 237
Decimal	49645
CIE _{Lab}	72.40, -24.90, -33.06
CIE _{LCh}	72, 41.387, 233.021
Yxy	44.2544, 0.2076, 0.2675
Android (android.graphics.Color)	4278239725 (0xFF00C1ED)
YUV	140.3090, 47.6687, -123.0510
Hunter-Lab	66.5240, -24.2617, -30.8281

Details

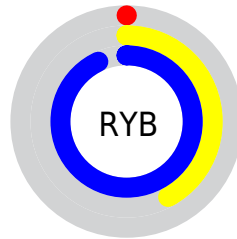
The Yxy color **44.2544, 0.2076, 0.2675** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.8000, 0.6224, 0.3440**, and the grayscale version is **26.2044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9062, 0.2401, 0.3230**, and **21.8014, 0.2035, 0.2524** is the 20% darker color. If you saturate the color by 10%, you get **44.2618, 0.2077, 0.2675**, and if you desaturate by 10%, it is **46.4254, 0.2109, 0.2742**.

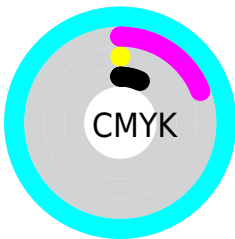
Distribution



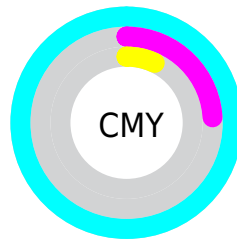
- Red (0%)
- Green (76%)
- Blue (93%)



- Red (0%)
- Yellow (42%)
- Blue (93%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2544, 0.2076, 0.2675 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 44.2544, 0.2076, 0.2675 by changing the saturation by 10% instead.

 44.2544, 0.2076,
0.2675


 44.2544, 0.2076,
0.2675

 363.7454, 0.2578,
0.2994

 30.8706, 0.1960,
0.2594


 81.6004, 0.2252,
0.2792

 20.5003, 0.1817,
0.2491


 106.3314, 0.2320,
0.2836


 12.7592, 0.1637,
0.2354


 135.6135, 0.2378,
0.2873

 7.2630, 0.1407,
0.2168

 169.8312, 0.2429,
0.2904

 3.6271, 0.1110,
0.1904

 209.3688, 0.2473,
0.2931

 1.4672, 0.0720,
0.1517

 254.6108, 0.2512,

 0.2655, 0.0000,

0.2955

0.0669

305.9415, 0.2547,
0.2976

■ 0.0000, 0.0000,
0.0000

■ 44.2544, 0.2076,
0.2675

■ 44.2544, 0.2076,
0.2675

■ 44.2618, 0.2077,
0.2675

■ 46.4254, 0.2109,
0.2742

■ 48.8800, 0.2158,
0.2809

■ 51.6994, 0.2227,
0.2877

■ 54.9274, 0.2315,
0.2945

■ 58.6006, 0.2421,
0.3010

■ 62.7513, 0.2543,
0.3074

■ 67.4084, 0.2677,
0.3134

■ 72.5983, 0.2822,
0.3191

■ 78.3455, 0.2973,
0.3243

Harmonies

Analogous

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



44.2544, 0.2188, 0.3158



44.2544, 0.2076, 0.2675



44.2544, 0.2205, 0.2415

Triad

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



44.2544, 0.2076, 0.2675



44.2544, 0.3700, 0.2863



44.2544, 0.3638, 0.4359

Complementary

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



44.2544, 0.2076, 0.2675



19.8000, 0.6224, 0.3440

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.



44.2544, 0.4097, 0.4144



44.2544, 0.2076, 0.2675



44.2544, 0.4158, 0.3287

Square

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



44.2544, 0.2076, 0.2675



44.2544, 0.3101, 0.2542



44.2544, 0.4301, 0.3742



44.2544, 0.3065, 0.4234

Rectangle

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



44.2544, 0.2076, 0.2675



44.2544, 0.2420, 0.2368



44.2544, 0.4301, 0.3742



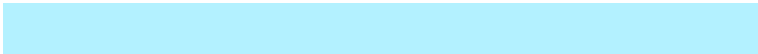
44.2544, 0.3811, 0.4319

Sweetspot

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



44.2618, 0.2077, 0.2675



79.5415, 0.2676, 0.3133



60.7357, 0.2957, 0.5846



16.5114, 0.2617, 0.3108



0.0000, 0.0000, 0.0000



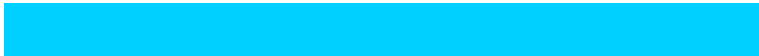
21.4041, 0.3127, 0.3290

Same Dimension

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



44.2618, 0.2077, 0.2675



52.1831, 0.2076, 0.2673



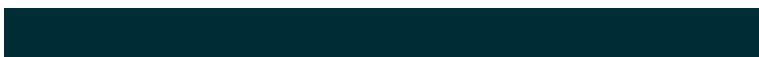
11.1515, 0.1614, 0.1011



16.6191, 0.2981, 0.3245



24.3501, 0.2080, 0.2686



2.0350, 0.2105, 0.2779

Inverse Universe

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



21.8525, 0.3752, 0.1840



25.7991, 0.3754, 0.1842



43.8201, 0.4901, 0.4490



15.2630, 0.3166, 0.3100



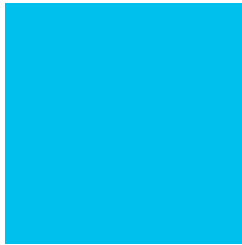
11.9510, 0.3741, 0.1835



0.9508, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 44.2544, 0.2076, 0.2675 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 44.2544, 0.2076, 0.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

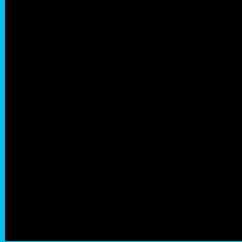
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.2544, 0.2076, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 44.2544, 0.2076, 0.2675.

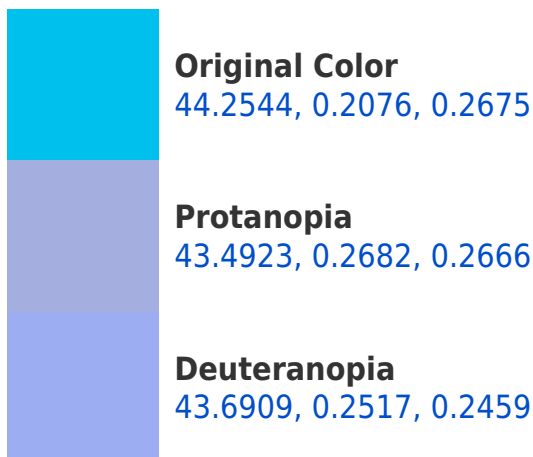


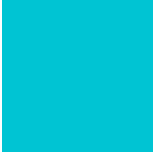
This preview shows how white text looks on a background with the Yxy color 44.2544, 0.2076, 0.2675.

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





Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



Original Color

44.2544, 0.2076, 0.2675



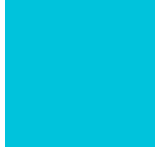
Protanomaly

41.5922, 0.2303, 0.2643



Deuteranomaly

41.9917, 0.2227, 0.2500



Tritanomaly

44.1975, 0.2146, 0.2924

Monochromacy



Original Color

44.2544, 0.2076, 0.2675



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.0153, 0.2442, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2544, 0.2076, 0.2675 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 237) }
```

Border

The CSS property to change the border of an element to Yxy 44.2544, 0.2076, 0.2675 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, 237) }
```

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

```
.border{ border-color:rgb(0, 193, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2544, 0.2076, 0.2675 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, 237) }
```

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

```
.background{ background-color: rgb(0, 193,  
237) }
```

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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