

Converting Colors

$Y_{xy}(42.0337, 0.1742, 0.2679)$

Have a look what the booklet for
Yxy(42.0337, 0.1742, 0.2679)
contains.

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Color

Yxy(46.1056, 0.2089, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	00C5EE
RGB	0, 197, 238
RGB Percent	0%, 77%, 93%
CMY	1.0000, 0.2274, 0.0666
CMYK	1.00, 0.17, 0.00, 0.07
HSL	190°, 100%, 47%
HSV	190°, 100%, 93%
XYZ	35.3968, 46.1056, 87.9412
YIQ	142.7710, -130.5730, -29.0130

Conversions

Conversions Part 2

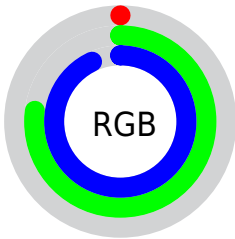
Format	Color
RYB	0, 108, 238
Decimal	50670
CIELab	73.61, -26.54, -31.75
CIELCh	74, 41.377, 230.110
Yxy	46.1056, 0.2089, 0.2721
Android (android.graphics.Color)	4278240750 (0xFF00C5EE)
YUV	142.7710, 46.9479, -125.2102
Hunter-Lab	67.9011, -25.7751, -29.2579

Details

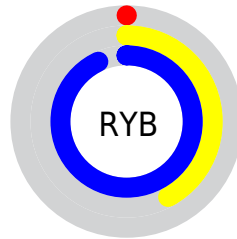
The Yxy color **46.1056, 0.2089, 0.2721** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.7687, 0.6245, 0.3423**, and the grayscale version is **27.2236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4831, 0.2414, 0.3276**, and **23.0223, 0.2052, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **46.1102, 0.2089, 0.2721**, and if you desaturate by 10%, it is **48.1904, 0.2120, 0.2783**.

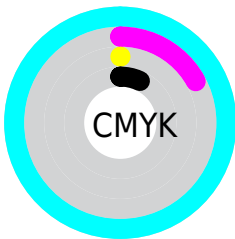
Distribution



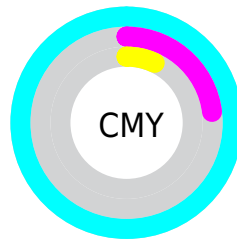
- Red (0%)
- Green (77%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1056, 0.2089, 0.2721 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 46.1056, 0.2089, 0.2721 by changing the saturation by 10% instead.


 46.1056, 0.2089,
0.2721


 46.1056, 0.2089,
0.2721

 371.2330, 0.2582,
0.3016

 32.3292, 0.1976,
0.2646


 84.3770, 0.2261,
0.2830


 21.6130, 0.1836,
0.2550


 109.6408, 0.2328,
0.2870


 13.5728, 0.1661,
0.2423


 139.5024, 0.2385,
0.2904

 7.8242, 0.1437,
0.2249

 174.3464, 0.2435,
0.2933

 3.9827, 0.1146,
0.2002

 214.5570, 0.2479,
0.2958

 1.6639, 0.0771,
0.1635

 260.5188, 0.2517,

 0.4001, 0.0000,

0.2980

0.0944

312.6160, 0.2552,
0.2999

■ 0.0000, 0.0000,
0.0000

■ 46.1056, 0.2089,
0.2721

■ 46.1056, 0.2089,
0.2721

■ 46.1102, 0.2089,
0.2721

■ 48.1904, 0.2120,
0.2783

■ 50.5569, 0.2167,
0.2845

■ 53.2841, 0.2234,
0.2908

■ 56.4159, 0.2320,
0.2970

■ 59.9896, 0.2425,
0.3031

■ 64.0376, 0.2545,
0.3089

■ 68.5889, 0.2679,
0.3145

■ 73.6703, 0.2822,
0.3198

■ 79.3063, 0.2973,
0.3246

Harmonies

Analogous

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



46.1056, 0.2224, 0.3216



46.1056, 0.2089, 0.2721



46.1056, 0.2194, 0.2441

Triad

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



46.1056, 0.2089, 0.2721



46.1056, 0.3638, 0.2833



46.1056, 0.3683, 0.4337

Complementary

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



46.1056, 0.2089, 0.2721



19.7687, 0.6245, 0.3423

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.



46.1056, 0.4117, 0.4101



46.1056, 0.2089, 0.2721



46.1056, 0.4111, 0.3245

Square

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



46.1056, 0.2089, 0.2721



46.1056, 0.3045, 0.2528



46.1056, 0.4287, 0.3695



46.1056, 0.3122, 0.4249

Rectangle

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



46.1056, 0.2089, 0.2721



46.1056, 0.2392, 0.2380



46.1056, 0.4287, 0.3695



46.1056, 0.3849, 0.4287

Sweetspot

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



46.1102, 0.2089, 0.2721



80.1396, 0.2677, 0.3145



61.3148, 0.2964, 0.5870



16.6559, 0.2619, 0.3121



0.0000, 0.0000, 0.0000



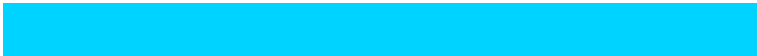
21.4041, 0.3127, 0.3290

Same Dimension

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



46.1102, 0.2089, 0.2721



53.8366, 0.2089, 0.2719



11.8159, 0.1626, 0.1052



17.4383, 0.2981, 0.3248



25.8876, 0.2092, 0.2731



2.2744, 0.2115, 0.2812

Inverse Universe

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



22.2131, 0.3708, 0.1816



25.9660, 0.3710, 0.1818



42.8691, 0.4947, 0.4454



15.9819, 0.3164, 0.3097



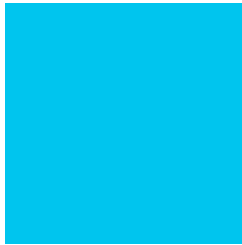
12.4067, 0.3699, 0.1811



1.0443, 0.3623, 0.1770

Previews

White Background



This preview shows how the Yxy color 46.1056, 0.2089, 0.2721 looks on a white background.

Color Contrast Check

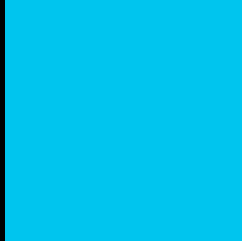
Large Text (above 18pt) WCAG AA × Fail

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 46.1056, 0.2089, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

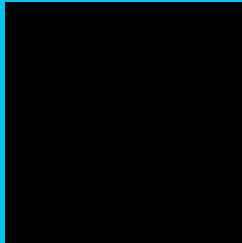
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1056, 0.2089, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 46.1056, 0.2089, 0.2721.



This preview shows how white text looks on a background with the Yxy color 46.1056, 0.2089, 0.2721.

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

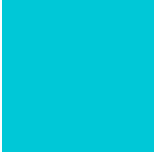
46.1056, 0.2089, 0.2721

Protanopia

45.5474, 0.2710, 0.2711

Deuteranopia

45.5967, 0.2550, 0.2484



Tritanopia

46.2148, 0.2186, 0.3069

Trichromacy



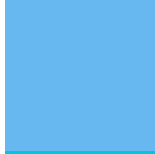
Original Color

46.1056, 0.2089, 0.2721



Protanomaly

43.4809, 0.2324, 0.2691



Deuteranomaly

43.5154, 0.2249, 0.2534



Tritanomaly

46.1746, 0.2151, 0.2944

Monochromacy



Original Color

46.1056, 0.2089, 0.2721



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.6329, 0.2448, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1056, 0.2089, 0.2721 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, 197, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 238)  
}
```

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, 197, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 238) }
```

Border

The CSS property to change the border of an element to Yxy 46.1056, 0.2089, 0.2721 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, 197, 238) }
```

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

```
.border{ border-color:rgb(0, 197, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 197, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 197, 238); box-shadow:4px 4px 4px 4px rgb(0, 197, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1056, 0.2089, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 238) }
```

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

```
.background{ background-color: rgb(0, 197,  
238) }
```

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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