

Converting Colors

$Y_{xy}(40.4786, 0.1499, 0.2775)$

Have a look what the booklet for
Yxy(40.4786, 0.1499, 0.2775)
contains.

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Color

Yxy(47.6565, 0.2123, 0.2842)

Conversions

Conversions Part 1

Format	Color
Hex	00C9E9
RGB	0, 201, 233
RGB Percent	0%, 79%, 91%
CMY	0.9987, 0.2118, 0.0862
CMYK	1.00, 0.14, 0.00, 0.09
HSL	188°, 100%, 46%
HSV	188°, 100%, 91%
XYZ	35.5998, 47.6565, 84.4301
YIQ	144.5490, -130.0680, -32.6600

Conversions

Conversions Part 2

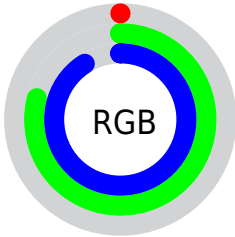
Format	Color
RYB	0, 108, 233
Decimal	51689
CIELab	74.61, -30.13, -27.52
CIELCh	75, 40.810, 222.407
Yxy	47.6565, 0.2123, 0.2842
Android (android.graphics.Color)	4278241769 (0xFF00C9E9)
YUV	144.5490, 43.6063, -126.7695
Hunter-Lab	69.0337, -28.7587, -24.1898

Details

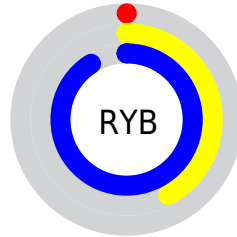
The Yxy color **47.6565, 0.2123, 0.2842** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.3815, 0.6290, 0.3386**, and the grayscale version is **28.0265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **24.0418, 0.2095, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **47.6340, 0.2123, 0.2841**, and if you desaturate by 10%, it is **49.3570, 0.2150, 0.2890**.

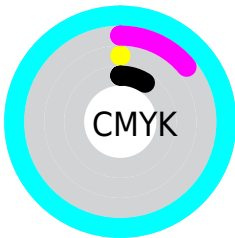
Distribution



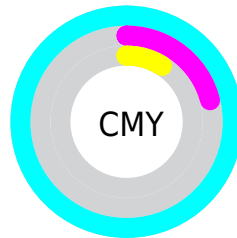
- Red (0%)
- Green (79%)
- Blue (91%)



- Red (0%)
- Yellow (42%)
- Blue (91%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)




- Cyan (100%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6565, 0.2123, 0.2842 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 47.6565, 0.2123, 0.2842 by changing the saturation by 10% instead.


 47.6565, 0.2123,
0.2842


 47.6565, 0.2123,
0.2842


377.4290, 0.2599,
0.3079


 33.5549, 0.2013,
0.2781


 86.6927, 0.2290,
0.2930


 22.5519, 0.1878,
0.2701


 112.3962, 0.2354,
0.2963


 14.2630, 0.1708,
0.2595


 142.7358, 0.2409,
0.2990

 8.3038, 0.1489,
0.2447

 178.0959, 0.2457,
0.3013

 4.2900, 0.1203,
0.2231

 218.8608, 0.2500,
0.3033

 1.8370, 0.0828,
0.1897

265.4151, 0.2537,

 0.5101, 0.0000,

0.3050

0.1301

318.1430, 0.2570,
0.3065

■ 0.0000, 0.0000,
0.0000

■ 47.6565, 0.2123,
0.2842

■ 47.6565, 0.2123,
0.2842

■ 47.6340, 0.2123,
0.2841

■ 49.3570, 0.2150,
0.2890

■ 51.3127, 0.2193,
0.2939

■ 53.5952, 0.2255,
0.2988

■ 56.2458, 0.2337,
0.3037

■ 59.2994, 0.2437,
0.3085

■ 62.7867, 0.2554,
0.3131

■ 66.7351, 0.2684,
0.3175

■ 71.1696, 0.2826,
0.3217

■ 76.1134, 0.2975,
0.3255

Harmonies

Analogous

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



47.6565, 0.2316, 0.3366



47.6565, 0.2123, 0.2842



47.6565, 0.2166, 0.2510

Triad

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



47.6565, 0.2123, 0.2842



47.6565, 0.3480, 0.2754



47.6565, 0.3798, 0.4277

Complementary

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



47.6565, 0.2123, 0.2842



18.3815, 0.6290, 0.3386

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.



47.6565, 0.4166, 0.3993



47.6565, 0.2123, 0.2842



47.6565, 0.3991, 0.3137

Square

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



47.6565, 0.2123, 0.2842



47.6565, 0.2904, 0.2491



47.6565, 0.4247, 0.3576



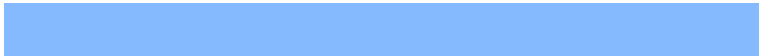
47.6565, 0.3268, 0.4281

Rectangle

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



47.6565, 0.2123, 0.2842



47.6565, 0.2323, 0.2412



47.6565, 0.4247, 0.3576



47.6565, 0.3945, 0.4206

Sweetspot

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



47.6582, 0.2123, 0.2842



81.7288, 0.2680, 0.3174



58.3945, 0.2975, 0.5908



17.0404, 0.2624, 0.3156



0.0000, 0.0000, 0.0000



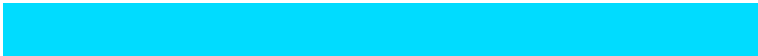
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6582, 0.2123, 0.2842



58.3539, 0.2122, 0.2839



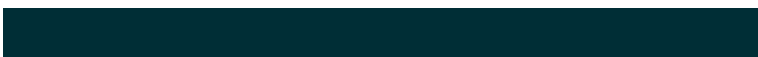
12.4881, 0.1652, 0.1145



16.7477, 0.2981, 0.3257



27.1585, 0.2125, 0.2849



2.2301, 0.2143, 0.2916

Inverse Universe

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



21.5520, 0.3596, 0.1755



26.4220, 0.3599, 0.1756



38.4166, 0.5037, 0.4382



15.2760, 0.3159, 0.3089



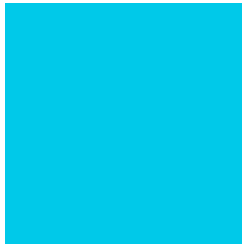
12.2345, 0.3590, 0.1751



0.9705, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 47.6565, 0.2123, 0.2842 looks on a white background.

Color Contrast Check

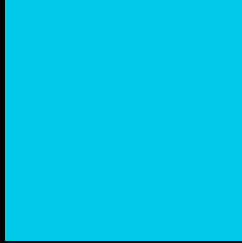
Large Text (above 18pt) WCAG AA × Fail

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 47.6565, 0.2123, 0.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

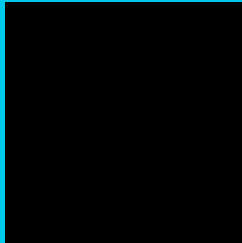
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6565, 0.2123, 0.2842

Background



This preview shows how black text looks on a background with the Yxy color 47.6565, 0.2123, 0.2842.

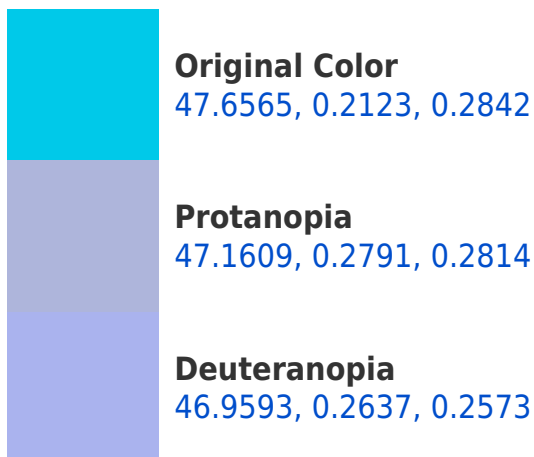


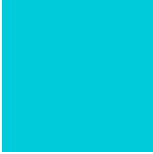
This preview shows how white text looks on a background with the Yxy color 47.6565, 0.2123, 0.2842.

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

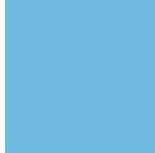
47.8263, 0.2183, 0.3058

Trichromacy



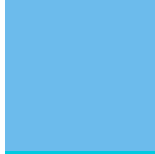
Original Color

47.6565, 0.2123, 0.2842



Protanomaly

44.7278, 0.2376, 0.2798



Deuteranomaly

44.7849, 0.2302, 0.2637



Tritanomaly

47.6229, 0.2160, 0.2975

Monochromacy



Original Color

47.6565, 0.2123, 0.2842



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.3599, 0.2466, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6565, 0.2123, 0.2842 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, 201, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 233)  
}
```

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, 201, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 233) }
```

Border

The CSS property to change the border of an element to Yxy 47.6565, 0.2123, 0.2842 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, 201, 233) }
```

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

```
.border{ border-color:rgb(0, 201, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6565, 0.2123, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 233) }
```

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

```
.background{ background-color: rgb(0, 201,  
233) }
```

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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