

Converting Colors

$Y_{xy}(47.1396, 0.2134, 0.2920)$

Have a look what the booklet for
Yxy(47.1396, 0.2134, 0.2920)
contains.

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Color

Yxy(47.3193, 0.2145, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	01C9E3
RGB	1, 201, 227
RGB Percent	0%, 79%, 89%
CMY	0.9961, 0.2118, 0.1098
CMYK	1.00, 0.11, 0.00, 0.11
HSL	187°, 99%, 45%
HSV	187°, 100%, 89%
XYZ	34.7602, 47.3193, 79.9729
YIQ	144.1640, -127.5460, -34.3140

Conversions

Conversions Part 2

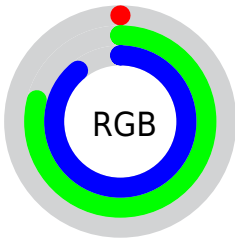
Format	Color
RYB	1, 107, 227
Decimal	117219
CIELab	74.39, -32.07, -24.60
CIELCh	74, 40.414, 217.494
Yxy	47.3193, 0.2145, 0.2920
Android (android.graphics.Color)	4278307299 (0xFF01C9E3)
YUV	144.1640, 40.8381, -125.5548
Hunter-Lab	68.7890, -30.1818, -20.7771

Details

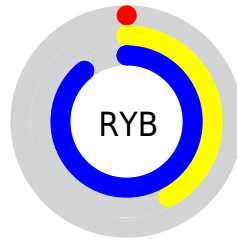
The Yxy color **47.3193, 0.2145, 0.2920** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **17.1172, 0.6310, 0.3367**, and the grayscale version is **27.8275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **23.8460, 0.2118, 0.2825** is the 20% darker color. If you saturate the color by 10%, you get **47.2609, 0.2144, 0.2918**, and if you desaturate by 10%, it is **48.7334, 0.2170, 0.2960**.

Distribution



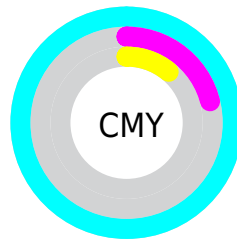
- Red (0%)
- Green (79%)
- Blue (89%)



- Red (0%)
- Yellow (42%)
- Blue (89%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3193, 0.2145, 0.2920 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 47.3193, 0.2145, 0.2920 by changing the saturation by 10% instead.

 47.3193, 0.2145,
0.2920


 47.3193, 0.2145,
0.2920


376.0876, 0.2613,
0.3119

 33.2881, 0.2036,
0.2867


 86.1900, 0.2309,
0.2995


 22.3473, 0.1902,
0.2798


 111.7984, 0.2372,
0.3022

 14.1123, 0.1733,
0.2704


 142.0347, 0.2427,
0.3045

 8.1988, 0.1514,
0.2571

 177.2832, 0.2474,
0.3065

 4.2224, 0.1225,
0.2373

 217.9283, 0.2515,
0.3081

 1.7987, 0.0837,
0.2057

264.3545, 0.2552,

 0.4864, 0.0000,

0.3096

0.1434

316.9461, 0.2584,
0.3108

■ 0.0000, 0.0000,
0.0000

■ 47.3193, 0.2145,
0.2920

■ 47.3193, 0.2145,
0.2920

■ 47.2609, 0.2144,
0.2918

■ 48.7334, 0.2170,
0.2960

■ 50.3822, 0.2211,
0.3000

■ 52.3310, 0.2271,
0.3040

■ 54.6182, 0.2350,
0.3081

■ 57.2764, 0.2448,
0.3120

■ 60.3340, 0.2562,
0.3159

■ 63.8167, 0.2691,
0.3195

■ 67.7478, 0.2831,
0.3230

■ 72.1489, 0.2980,
0.3262

Harmonies

Analogous

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



47.3193, 0.2375, 0.3461



47.3193, 0.2145, 0.2920



47.3193, 0.2150, 0.2554

Triad

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



47.3193, 0.2145, 0.2920



47.3193, 0.3383, 0.2705



47.3193, 0.3868, 0.4239

Complementary

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



47.3193, 0.2145, 0.2920



17.1172, 0.6310, 0.3367

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.



47.3193, 0.4194, 0.3926



47.3193, 0.2145, 0.2920



47.3193, 0.3914, 0.3070

Square

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



47.3193, 0.2145, 0.2920



47.3193, 0.2819, 0.2469



47.3193, 0.4220, 0.3502



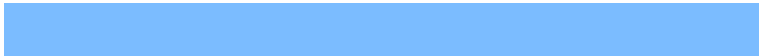
47.3193, 0.3359, 0.4297

Rectangle

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



47.3193, 0.2145, 0.2920



47.3193, 0.2281, 0.2433



47.3193, 0.4220, 0.3502



47.3193, 0.4004, 0.4156

Sweetspot

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



47.3210, 0.2145, 0.2920



82.7751, 0.2683, 0.3193



55.0083, 0.2983, 0.5937



17.2939, 0.2627, 0.3178



0.0000, 0.0000, 0.0000



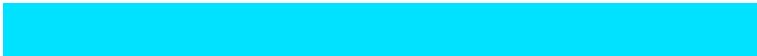
21.4041, 0.3127, 0.3290

Same Dimension

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



47.3210, 0.2145, 0.2920



61.4244, 0.2143, 0.2916



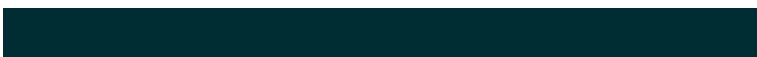
13.1031, 0.1681, 0.1248



16.0382, 0.2982, 0.3262



27.6736, 0.2146, 0.2924



2.1258, 0.2162, 0.2982

Inverse Universe

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



20.5690, 0.3525, 0.1717



26.7320, 0.3529, 0.1718



34.1105, 0.5126, 0.4309



14.5852, 0.3155, 0.3085



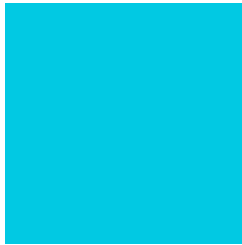
11.9914, 0.3521, 0.1714



0.8943, 0.3470, 0.1685

Previews

White Background



This preview shows how the Yxy color 47.3193, 0.2145, 0.2920 looks on a white background.

Color Contrast Check

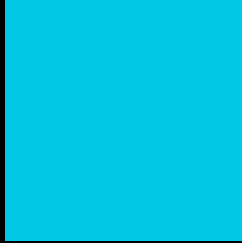
Large Text (above 18pt) WCAG AA × Fail

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 47.3193, 0.2145, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

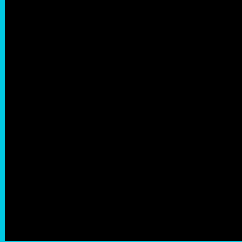
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3193, 0.2145, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 47.3193, 0.2145, 0.2920.

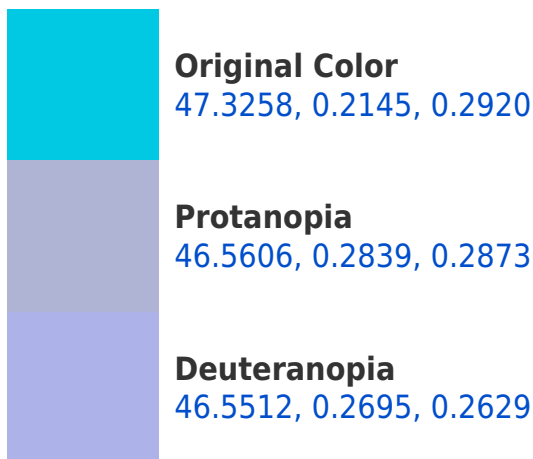


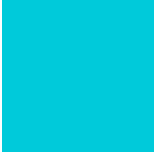
This preview shows how white text looks on a background with the Yxy color 47.3193, 0.2145, 0.2920.

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

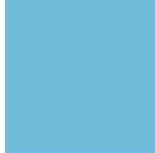
47.3030, 0.2182, 0.3057

Trichromacy



Original Color

47.3258, 0.2145, 0.2920



Protanomaly

44.4731, 0.2412, 0.2874



Deuteranomaly

44.1460, 0.2337, 0.2695



Tritanomaly

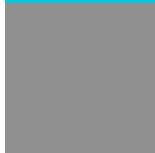
47.4615, 0.2171, 0.3015

Monochromacy



Original Color

47.3258, 0.2145, 0.2920



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.2416, 0.2484, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3193, 0.2145, 0.2920 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, 201, 227)` looks like.

```
.text, #text, p{  
    color:rgb(1, 201, 227)  
}
```

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, 201, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 201, 227) }
```

Border

The CSS property to change the border of an element to Yxy 47.3193, 0.2145, 0.2920 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, 201, 227) }
```

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

```
.border{ border-color:rgb(1, 201, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 201, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 201, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 201, 227);  
box-shadow:4px 4px 4px 4px rgb(1, 201,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3193, 0.2145, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 201, 227) }
```

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

```
.background{ background-color: rgb(1, 201,  
227) }
```

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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