

Converting Colors

$Y_{xy}(47.7866, 0.2097, 0.2751)$

Have a look what the booklet for
Yxy(47.7866, 0.2097, 0.2751)
contains.

Yxy(47.5998, 0.2095, 0.2740)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.5998, 0.2095, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	01C8F0
RGB	1, 200, 240
RGB Percent	0%, 78%, 94%
CMY	0.9958, 0.2157, 0.0587
CMYK	1.00, 0.17, 0.00, 0.06
HSL	190°, 99%, 47%
HSV	190°, 100%, 94%
XYZ	36.3947, 47.5998, 89.7274
YIQ	145.0590, -131.4440, -29.7480

Conversions

Conversions Part 2

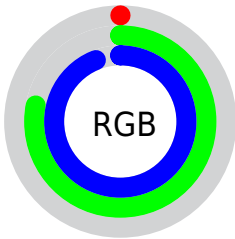
Format	Color
R _Y B	1, 110, 240
Decimal	116976
CIE Lab	74.57, -27.31, -31.35
CIE LCh	75, 41.580, 228.934
Yxy	47.5998, 0.2095, 0.2740
Android (android.graphics.Color)	4278307056 (0xFF01C8F0)
YUV	145.0590, 46.8059, -126.3397
Hunter-Lab	68.9926, -26.5754, -28.8139

Details

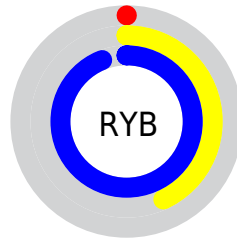
The Yxy color **47.5998, 0.2095, 0.2740** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.1255, 0.6244, 0.3420**, and the grayscale version is **28.1927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **24.0185, 0.2059, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **47.5120, 0.2094, 0.2737**, and if you desaturate by 10%, it is **49.6896, 0.2126, 0.2800**.

Distribution



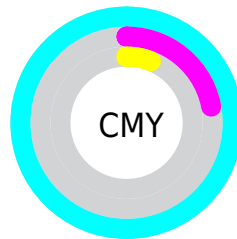
- Red (0%)
- Green (78%)
- Blue (94%)



- Red (0%)
- Yellow (43%)
- Blue (94%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5998, 0.2095, 0.2740 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 47.5998, 0.2095, 0.2740 by changing the saturation by 10% instead.


 47.5998, 0.2095,
0.2740


 47.5998, 0.2095,
0.2740


377.2036, 0.2583,
0.3025


 33.5101, 0.1983,
0.2668


 86.6082, 0.2265,
0.2845

 22.5175, 0.1846,
0.2576


 112.2958, 0.2331,
0.2884

 14.2376, 0.1674,
0.2454


 142.6180, 0.2388,
0.2917

 8.2861, 0.1455,
0.2287

 177.9593, 0.2437,
0.2945

 4.2786, 0.1171,
0.2050

 218.7041, 0.2480,
0.2969

 1.8306, 0.0804,
0.1698

265.2369, 0.2519,

 0.5061, 0.0000,

0.2990

0.1108

317.9419, 0.2553,
0.3009

■ 0.0000, 0.0000,
0.0000

■ 47.5998, 0.2095,
0.2740

■ 47.5998, 0.2095,
0.2740

■ 47.5120, 0.2094,
0.2737

■ 49.6896, 0.2126,
0.2800

■ 52.0736, 0.2173,
0.2860

■ 54.8247, 0.2240,
0.2921

■ 57.9876, 0.2326,
0.2981

■ 61.5998, 0.2431,
0.3040

■ 65.6942, 0.2551,
0.3097

■ 70.3005, 0.2685,
0.3152

■ 75.4456, 0.2829,
0.3202

■ 81.1545, 0.2980,
0.3249

Harmonies

Analogous

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



47.5998, 0.2239, 0.3239



47.5998, 0.2095, 0.2740



47.5998, 0.2191, 0.2452

Triad

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



47.5998, 0.2095, 0.2740



47.5998, 0.3613, 0.2821



47.5998, 0.3701, 0.4327

Complementary

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



47.5998, 0.2095, 0.2740



20.1255, 0.6244, 0.3420

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.



47.5998, 0.4124, 0.4084



47.5998, 0.2095, 0.2740



47.5998, 0.4092, 0.3228

Square

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



47.5998, 0.2095, 0.2740



47.5998, 0.3023, 0.2523



47.5998, 0.4280, 0.3676



47.5998, 0.3145, 0.4254

Rectangle

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



47.5998, 0.2095, 0.2740



47.5998, 0.2382, 0.2385



47.5998, 0.4280, 0.3676



47.5998, 0.3864, 0.4274

Sweetspot

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



47.6015, 0.2095, 0.2740



80.3565, 0.2678, 0.3149



62.5021, 0.2963, 0.5865



16.7083, 0.2620, 0.3126



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.



47.6015, 0.2095, 0.2740



54.4427, 0.2093, 0.2735



12.1428, 0.1628, 0.1059



17.4517, 0.2981, 0.3249



26.1725, 0.2097, 0.2747



2.2956, 0.2118, 0.2826

Inverse Universe

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



22.7225, 0.3690, 0.1808



26.0272, 0.3695, 0.1809



43.8033, 0.4942, 0.4455



15.9833, 0.3164, 0.3096



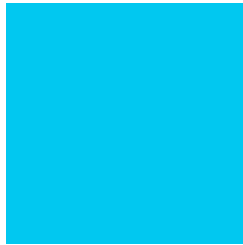
12.4355, 0.3684, 0.1803



1.0465, 0.3611, 0.1763

Previews

White Background



This preview shows how the Yxy color 47.5998, 0.2095, 0.2740 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 47.5998, 0.2095, 0.2740 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 47.5998, 0.2095, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 47.5998, 0.2095, 0.2740.

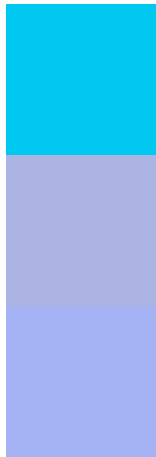


This preview shows how white text looks on a background with the Yxy color 47.5998, 0.2095, 0.2740.

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

47.6063, 0.2095, 0.2741

Protanopia

46.7914, 0.2721, 0.2718

Deuteranopia

46.8321, 0.2562, 0.2493



Tritanopia

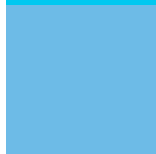
47.7738, 0.2187, 0.3071

Trichromacy



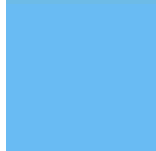
Original Color

47.6063, 0.2095, 0.2741



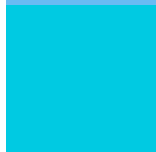
Protanomaly

44.5614, 0.2330, 0.2697



Deuteranomaly

45.0150, 0.2258, 0.2555



Tritanomaly

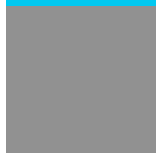
47.7320, 0.2152, 0.2948

Monochromacy



Original Color

47.6063, 0.2095, 0.2741



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.5327, 0.2453, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5998, 0.2095, 0.2740 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, 200, 240)` looks like.

```
.text, #text, p{  
    color:rgb(1, 200, 240)  
}
```

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, 200, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 200, 240) }
```

Border

The CSS property to change the border of an element to Yxy 47.5998, 0.2095, 0.2740 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, 200, 240) }
```

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

```
.border{ border-color:rgb(1, 200, 240) }
```

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

Here you see how a box with a 4 pixel rgb(1, 200, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 200, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 200, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 200,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5998, 0.2095, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 200, 240) }
```

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

```
.background{ background-color: rgb(1, 200,  
240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor