

Converting Colors

$Yxy(41.8199, 0.1619, 0.2548)$

Have a look what the booklet for
Yxy(41.8199, 0.1619, 0.2548)
contains.

Yxy(47.1655, 0.2060, 0.2617)	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(47.1655, 0.2060, 0.2617)

Conversions

Conversions Part 1

Format	Color
Hex	00C6F8
RGB	0, 198, 248
RGB Percent	0%, 78%, 97%
CMY	1.0000, 0.2235, 0.0275
CMYK	1.00, 0.20, 0.00, 0.03
HSL	192°, 100%, 49%
HSV	192°, 100%, 97%
XYZ	37.1268, 47.1655, 95.9350
YIQ	144.4980, -134.0580, -26.4260

Conversions

Conversions Part 2

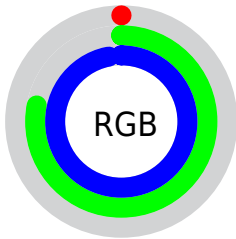
Format	Color
RYB	0, 110, 248
Decimal	50936
CIELab	74.30, -23.71, -36.05
CIELCh	74, 43.149, 236.675
Yxy	47.1655, 0.2060, 0.2617
Android (android.graphics.Color)	4278241016 (0xFF00C6F8)
YUV	144.4980, 51.0265, -126.7247
Hunter-Lab	68.6771, -23.6880, -34.7481

Details

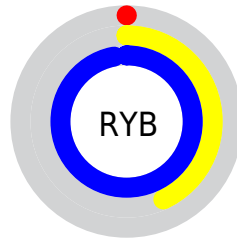
The Yxy color **47.1655, 0.2060, 0.2617** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.2302, 0.6200, 0.3459**, and the grayscale version is **27.9351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **23.7081, 0.2020, 0.2471** is the 20% darker color. If you saturate the color by 10%, you get **47.1720, 0.2060, 0.2617**, and if you desaturate by 10%, it is **49.6982, 0.2095, 0.2690**.

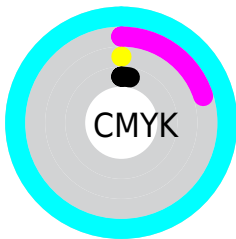
Distribution



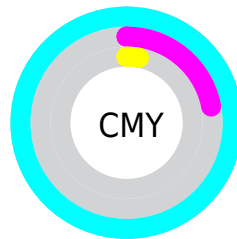
- Red (0%)
- Green (78%)
- Blue (97%)



- Red (0%)
- Yellow (43%)
- Blue (97%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (22%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1655, 0.2060, 0.2617 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 47.1655, 0.2060, 0.2617 by changing the saturation by 10% instead.


 47.1655, 0.2060,
0.2617


 47.1655, 0.2060,
0.2617


375.4748, 0.2563,
0.2959

 33.1665, 0.1946,
0.2533


 85.9606, 0.2235,
0.2741


 22.2540, 0.1806,
0.2426


 111.5255, 0.2303,
0.2788

 14.0437, 0.1631,
0.2287


 141.7145, 0.2361,
0.2827

 8.1511, 0.1410,
0.2100

 176.9120, 0.2412,
0.2861

 4.1918, 0.1128,
0.1842

 217.5024, 0.2457,
0.2891

 1.7814, 0.0769,
0.1475

263.8700, 0.2496,

 0.4755, 0.0000,

0.2916

0.0888

316.3994, 0.2531,
0.2939

■ 0.0000, 0.0000,
0.0000

■ 47.1655, 0.2060,
0.2617

■ 47.1655, 0.2060,
0.2617

■ 47.1720, 0.2060,
0.2617

■ 49.6982, 0.2095,
0.2690

■ 52.5601, 0.2145,
0.2764

■ 55.8387, 0.2216,
0.2839

■ 59.5829, 0.2306,
0.2913

■ 63.8342, 0.2415,
0.2985

■ 68.6287, 0.2538,
0.3054

■ 73.9989, 0.2675,
0.3120

■ 79.9745, 0.2821,
0.3182

■ 86.5828, 0.2972,
0.3238

Harmonies

Analogous

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



47.1655, 0.2143, 0.3084



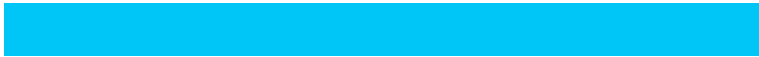
47.1655, 0.2060, 0.2617



47.1655, 0.2221, 0.2382

Triad

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



47.1655, 0.2060, 0.2617



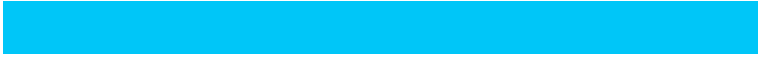
47.1655, 0.3781, 0.2903



47.1655, 0.3578, 0.4388

Complementary

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



47.1655, 0.2060, 0.2617



22.2302, 0.6200, 0.3459

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.



47.1655, 0.4069, 0.4200



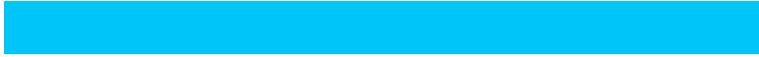
47.1655, 0.2060, 0.2617



47.1655, 0.4216, 0.3341

Square

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



47.1655, 0.2060, 0.2617



47.1655, 0.3174, 0.2560



47.1655, 0.4317, 0.3804



47.1655, 0.2992, 0.4213

Rectangle

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



47.1655, 0.2060, 0.2617



47.1655, 0.2456, 0.2352



47.1655, 0.4317, 0.3804



47.1655, 0.3760, 0.4359

Sweetspot

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



47.1720, 0.2060, 0.2617



78.8217, 0.2674, 0.3120



67.3480, 0.2951, 0.5824



16.3377, 0.2615, 0.3093



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.



47.1720, 0.2060, 0.2617



50.2275, 0.2060, 0.2616



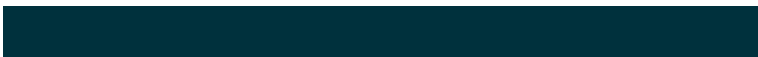
11.7262, 0.1602, 0.0968



18.9796, 0.2980, 0.3241



25.6922, 0.2064, 0.2629



2.5248, 0.2088, 0.2717

Inverse Universe

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



24.0304, 0.3808, 0.1871



25.6016, 0.3809, 0.1872



50.0642, 0.4858, 0.4524



17.4611, 0.3169, 0.3103



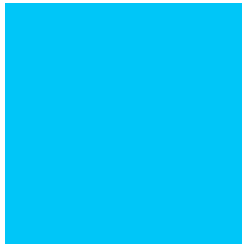
13.0045, 0.3796, 0.1865



1.2191, 0.3712, 0.1819

Previews

White Background



This preview shows how the Yxy color 47.1655, 0.2060, 0.2617 looks on a white background.

Color Contrast Check

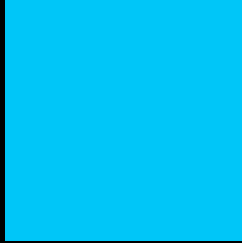
Large Text (above 18pt) WCAG AA × Fail

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 47.1655, 0.2060, 0.2617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

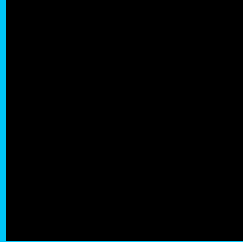
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1655, 0.2060, 0.2617

Background



This preview shows how black text looks on a background with the Yxy color 47.1655, 0.2060, 0.2617.

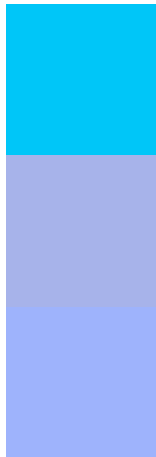


This preview shows how white text looks on a background with the Yxy color 47.1655, 0.2060, 0.2617.

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

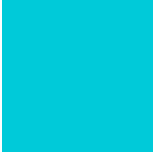
47.1655, 0.2060, 0.2617

Protanopia

46.3962, 0.2641, 0.2612

Deuteranopia

46.5376, 0.2478, 0.2413



Tritanopia

47.2508, 0.2186, 0.3070

Trichromacy



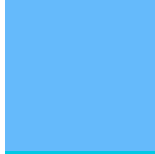
Original Color

47.1655, 0.2060, 0.2617



Protanomaly

44.4140, 0.2277, 0.2587



Deuteranomaly

44.8495, 0.2204, 0.2451



Tritanomaly

47.3747, 0.2141, 0.2907

Monochromacy



Original Color

47.1655, 0.2060, 0.2617



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.2036, 0.2433, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1655, 0.2060, 0.2617 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, 198, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 248)  
}
```

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, 198, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 248) }
```

Border

The CSS property to change the border of an element to Yxy 47.1655, 0.2060, 0.2617 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, 198, 248) }
```

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

```
.border{ border-color:rgb(0, 198, 248) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1655, 0.2060, 0.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 248) }
```

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

```
.background{ background-color: rgb(0, 198,  
248) }
```

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