

Converting Colors

$Y_{xy}(47.8781, 0.2070, 0.2652)$

Have a look what the booklet for
Yxy(47.8781, 0.2070, 0.2652)
contains.

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Color

Yxy(48.0240, 0.2071, 0.2657)

Conversions

Conversions Part 1

Format	Color
Hex	00C8F7
RGB	0, 200, 247
RGB Percent	0%, 78%, 97%
CMY	1.0000, 0.2156, 0.0314
CMYK	1.00, 0.19, 0.00, 0.03
HSL	191°, 100%, 48%
HSV	191°, 100%, 97%
XYZ	37.4323, 48.0240, 95.2889
YIQ	145.5580, -134.2870, -27.7830

Conversions

Conversions Part 2

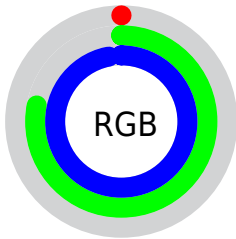
Format	Color
RYB	0, 111, 247
Decimal	51447
CIELab	74.84, -25.05, -34.68
CIELCh	75, 42.785, 234.158
Yxy	48.0240, 0.2071, 0.2657
Android (android.graphics.Color)	4278241527 (0xFF00C8F7)
YUV	145.5580, 50.0109, -127.6544
Hunter-Lab	69.2994, -24.8563, -33.0161

Details

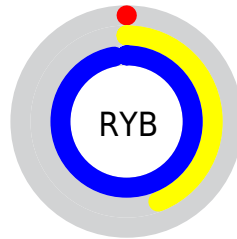
The Yxy color **48.0240, 0.2071, 0.2657** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.8049, 0.6219, 0.3444**, and the grayscale version is **28.3920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **24.2755, 0.2034, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **48.0321, 0.2072, 0.2657**, and if you desaturate by 10%, it is **50.4449, 0.2104, 0.2726**.

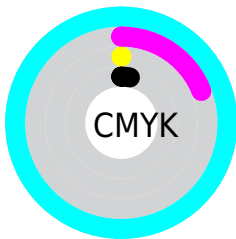
Distribution



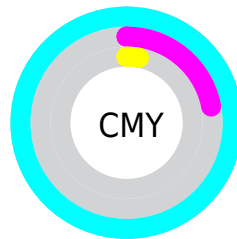
- Red (0%)
- Green (78%)
- Blue (97%)



- Red (0%)
- Yellow (44%)
- Blue (97%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (3%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0240, 0.2071, 0.2657 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 48.0240, 0.2071, 0.2657 by changing the saturation by 10% instead.


 48.0240, 0.2071,
0.2657

 48.0240, 0.2071,
0.2657


 378.8872, 0.2568,
0.2980


 33.8459, 0.1958,
0.2577


 87.2401, 0.2243,
0.2774


 22.7752, 0.1820,
0.2475


 113.0470, 0.2311,
0.2819

 14.4276, 0.1648,
0.2343


 143.4988, 0.2369,
0.2856

 8.4187, 0.1429,
0.2164

 178.9801, 0.2419,
0.2888

 4.3640, 0.1149,
0.1916

 219.8752, 0.2463,
0.2916

 1.8792, 0.0791,
0.1558

 266.5684, 0.2502,

 0.5358, 0.0000,

0.2940

0.1006

319.4443, 0.2537,
0.2961

■ 0.0000, 0.0000,
0.0000

■ 48.0240, 0.2071,
0.2657

■ 48.0240, 0.2071,
0.2657

■ 48.0321, 0.2072,
0.2657

■ 50.4449, 0.2104,
0.2726

■ 53.1824, 0.2154,
0.2795

■ 56.3247, 0.2223,
0.2865

■ 59.9203, 0.2311,
0.2935

■ 64.0100, 0.2418,
0.3002

■ 68.6295, 0.2541,
0.3068

■ 73.8108, 0.2676,
0.3130

■ 79.5834, 0.2821,
0.3188

■ 85.9742, 0.2972,
0.3241

Harmonies

Analogous

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



48.0240, 0.2174, 0.3135



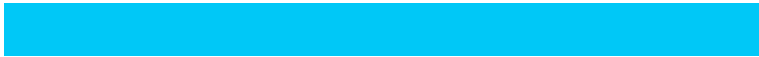
48.0240, 0.2071, 0.2657



48.0240, 0.2210, 0.2405

Triad

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



48.0240, 0.2071, 0.2657



48.0240, 0.3725, 0.2876



48.0240, 0.3619, 0.4368

Complementary

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



48.0240, 0.2071, 0.2657



21.8049, 0.6219, 0.3444

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.



48.0240, 0.4089, 0.4161



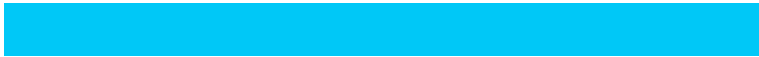
48.0240, 0.2071, 0.2657



48.0240, 0.4176, 0.3304

Square

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



48.0240, 0.2071, 0.2657



48.0240, 0.3123, 0.2547



48.0240, 0.4306, 0.3761



48.0240, 0.3043, 0.4228

Rectangle

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



48.0240, 0.2071, 0.2657



48.0240, 0.2431, 0.2363



48.0240, 0.4306, 0.3761



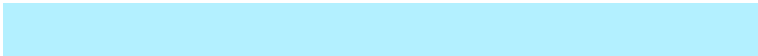
48.0240, 0.3795, 0.4331

Sweetspot

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



48.0321, 0.2072, 0.2657



79.3295, 0.2675, 0.3129



66.7113, 0.2958, 0.5849



16.4603, 0.2617, 0.3104



0.0000, 0.0000, 0.0000



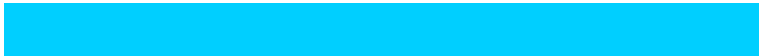
21.4041, 0.3127, 0.3290

Same Dimension

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



48.0321, 0.2072, 0.2657



51.6032, 0.2071, 0.2656



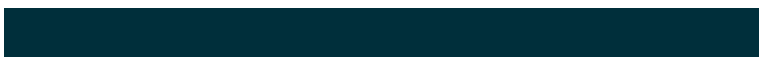
12.1947, 0.1613, 0.1007



18.1906, 0.2980, 0.3244



25.6025, 0.2075, 0.2669



2.3850, 0.2099, 0.2755

Inverse Universe

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



23.9446, 0.3769, 0.1850



25.7405, 0.3770, 0.1851



48.0682, 0.4903, 0.4489



16.7111, 0.3167, 0.3100



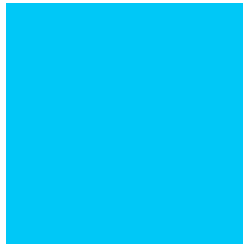
12.6840, 0.3758, 0.1844



1.1284, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 48.0240, 0.2071, 0.2657 looks on a white background.

Color Contrast Check

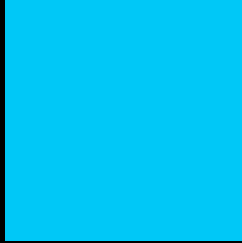
Large Text (above 18pt) WCAG AA × Fail

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 48.0240, 0.2071, 0.2657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

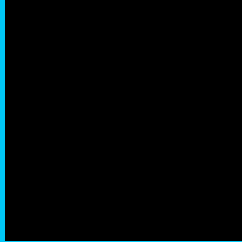
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0240, 0.2071, 0.2657

Background



This preview shows how black text looks on a background with the Yxy color 48.0240, 0.2071, 0.2657.



This preview shows how white text looks on a background with the Yxy color 48.0240, 0.2071, 0.2657.

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

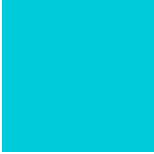
48.0240, 0.2071, 0.2657

Protanopia

47.4770, 0.2671, 0.2652

Deuteranopia

47.5898, 0.2505, 0.2452



Tritanopia

47.8263, 0.2183, 0.3058

Trichromacy



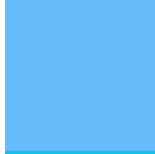
Original Color

48.0240, 0.2071, 0.2657



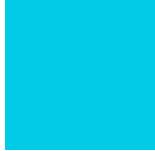
Protanomaly

45.3276, 0.2296, 0.2628



Deuteranomaly

45.6933, 0.2219, 0.2490



Tritanomaly

47.8982, 0.2141, 0.2909

Monochromacy



Original Color

48.0240, 0.2071, 0.2657



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.0185, 0.2439, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0240, 0.2071, 0.2657 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, 200, 247)` looks like.

```
.text, #text, p{  
  color:rgb(0, 200, 247)  
}
```

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, 200, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 247) }
```

Border

The CSS property to change the border of an element to Yxy 48.0240, 0.2071, 0.2657 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, 200, 247) }
```

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

```
.border{ border-color:rgb(0, 200, 247) }
```

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

Here you see how a box with a 4 pixel rgb(0, 200, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0240, 0.2071, 0.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 247) }
```

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

```
.background{ background-color: rgb(0, 200,  
247) }
```

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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