

Converting Colors

$Y_{xy}(44.8975, 0.1962, 0.2567)$

Have a look what the booklet for
Yxy(44.8975, 0.1962, 0.2567)
contains.

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Color

Yxy(46.2572, 0.2052, 0.2588)

Conversions

Conversions Part 1

Format	Color
Hex	00C4F8
RGB	0, 196, 248
RGB Percent	0%, 77%, 97%
CMY	1.0000, 0.2313, 0.0274
CMYK	1.00, 0.21, 0.00, 0.03
HSL	193°, 100%, 49%
HSV	193°, 100%, 97%
XYZ	36.6769, 46.2572, 95.8032
YIQ	143.3240, -133.5080, -25.3800

Conversions

Conversions Part 2

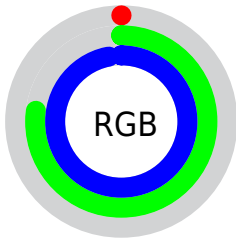
Format	Color
RYB	0, 109, 248
Decimal	50424
CIELab	73.71, -22.67, -36.97
CIELCh	74, 43.370, 238.481
Yxy	46.2572, 0.2052, 0.2588
Android (android.graphics.Color)	4278240504 (0xFF00C4F8)
YUV	143.3240, 51.6053, -125.6951
Hunter-Lab	68.0126, -22.7632, -35.9075

Details

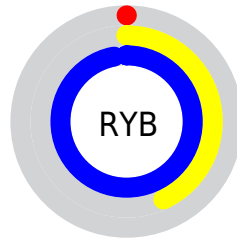
The Yxy color **46.2572, 0.2052, 0.2588** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.4119, 0.6185, 0.3471**, and the grayscale version is **27.4373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9813, 0.2418, 0.3265**, and **23.1076, 0.2010, 0.2434** is the 20% darker color. If you saturate the color by 10%, you get **46.2628, 0.2052, 0.2588**, and if you desaturate by 10%, it is **48.8534, 0.2088, 0.2664**.

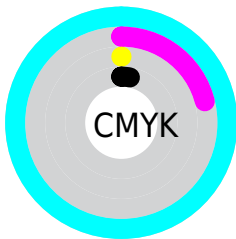
Distribution



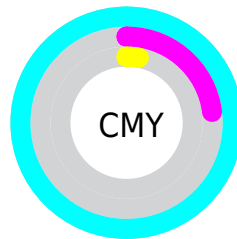
- Red (0%)
- Green (77%)
- Blue (97%)



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



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)




- Cyan (100%)
- Magenta (23%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2572, 0.2052, 0.2588 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 46.2572, 0.2052, 0.2588 by changing the saturation by 10% instead.


 46.2572, 0.2052,
0.2588


 46.2572, 0.2052,
0.2588

 371.8417, 0.2560,
0.2944

 32.4488, 0.1936,
0.2500

 84.6038, 0.2229,
0.2717

 21.7046, 0.1795,
0.2389


 109.9108, 0.2297,
0.2766


 13.6400, 0.1618,
0.2245


 139.8195, 0.2356,
0.2807

 7.8707, 0.1395,
0.2052

 174.7142, 0.2408,
0.2842

 4.0123, 0.1109,
0.1787

 214.9794, 0.2453,
0.2873

 1.6805, 0.0748,
0.1411

 260.9995, 0.2493,

 0.4110, 0.0000,

0.2900

0.0779

313.1588, 0.2528,
0.2923

■ 0.0000, 0.0000,
0.0000

■ 46.2572, 0.2052,
0.2588

■ 46.2572, 0.2052,
0.2588

■ 46.2628, 0.2052,
0.2588

■ 48.8534, 0.2088,
0.2664

■ 51.7858, 0.2140,
0.2742

■ 55.1410, 0.2211,
0.2820

■ 58.9683, 0.2303,
0.2897

■ 63.3090, 0.2412,
0.2972

■ 68.1993, 0.2537,
0.3045

■ 73.6720, 0.2674,
0.3113

■ 79.7567, 0.2820,
0.3177

■ 86.4809, 0.2972,
0.3236

Harmonies

Analogous

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



46.2572, 0.2121, 0.3046



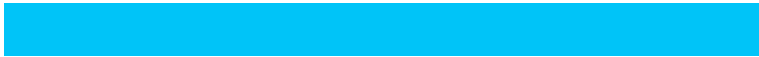
46.2572, 0.2052, 0.2588



46.2572, 0.2229, 0.2366

Triad

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



46.2572, 0.2052, 0.2588



46.2572, 0.3822, 0.2923



46.2572, 0.3548, 0.4402

Complementary

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



46.2572, 0.2052, 0.2588



22.4119, 0.6185, 0.3471

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.



46.2572, 0.4055, 0.4229



46.2572, 0.2052, 0.2588



46.2572, 0.4246, 0.3369

Square

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



46.2572, 0.2052, 0.2588



46.2572, 0.3212, 0.2570



46.2572, 0.4325, 0.3835



46.2572, 0.2954, 0.4202

Rectangle

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



46.2572, 0.2052, 0.2588



46.2572, 0.2475, 0.2345



46.2572, 0.4325, 0.3835



46.2572, 0.3734, 0.4380

Sweetspot

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



46.2628, 0.2052, 0.2588



78.4555, 0.2673, 0.3113



67.3630, 0.2951, 0.5824



16.2494, 0.2614, 0.3084



0.0000, 0.0000, 0.0000



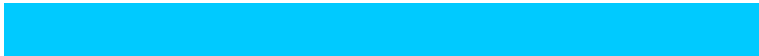
21.4041, 0.3127, 0.3290

Same Dimension

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



46.2628, 0.2052, 0.2588



49.2470, 0.2052, 0.2587



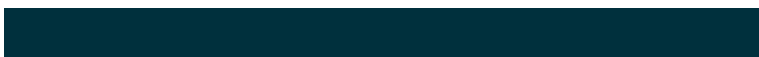
11.7287, 0.1602, 0.0968



18.9545, 0.2980, 0.3239



25.2009, 0.2056, 0.2600



2.4834, 0.2081, 0.2692

Inverse Universe

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



23.9429, 0.3836, 0.1887



25.5027, 0.3837, 0.1887



50.0752, 0.4858, 0.4524



17.4586, 0.3170, 0.3104



12.9550, 0.3824, 0.1880



1.2149, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 46.2572, 0.2052, 0.2588 looks on a white background.

Color Contrast Check

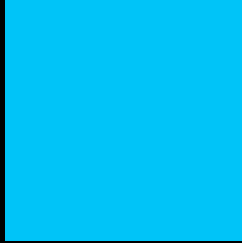
Large Text (above 18pt) WCAG AA × Fail

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 46.2572, 0.2052, 0.2588 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 46.2572, 0.2052, 0.2588

Background



This preview shows how black text looks on a background with the Yxy color 46.2572, 0.2052, 0.2588.



This preview shows how white text looks on a background with the Yxy color 46.2572, 0.2052, 0.2588.

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

46.2572, 0.2052, 0.2588

Protanopia

45.7806, 0.2625, 0.2597

Deuteranopia

45.8376, 0.2457, 0.2396



Tritanopia

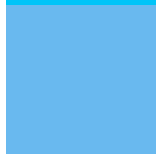
46.2148, 0.2186, 0.3069

Trichromacy



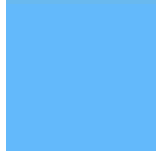
Original Color

46.2572, 0.2052, 0.2588



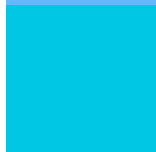
Protanomaly

43.9332, 0.2269, 0.2572



Deuteranomaly

44.3156, 0.2193, 0.2436



Tritanomaly

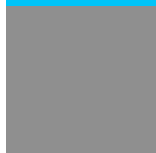
46.3929, 0.2136, 0.2890

Monochromacy



Original Color

46.2572, 0.2052, 0.2588



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.4010, 0.2426, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2572, 0.2052, 0.2588 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, 196, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 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, 196, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 248) }
```

Border

The CSS property to change the border of an element to Yxy 46.2572, 0.2052, 0.2588 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, 196, 248) }
```

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

```
.border{ border-color:rgb(0, 196, 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, 196, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2572, 0.2052, 0.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 248) }
```

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

```
.background{ background-color: rgb(0, 196,  
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](#).

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