

Converting Colors

$Y_{xy}(40.7494, 0.1376, 0.2512)$

Have a look what the booklet for
Yxy(40.7494, 0.1376, 0.2512)
contains.

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Color

Yxy(49.2693, 0.2063, 0.2627)

Conversions

Conversions Part 1

Format	Color
Hex	00CAFC
RGB	0, 202, 252
RGB Percent	0%, 79%, 99%
CMY	1.0000, 0.2078, 0.0117
CMYK	1.00, 0.20, 0.00, 0.01
HSL	192°, 100%, 49%
HSV	192°, 100%, 99%
XYZ	38.6915, 49.2693, 99.5889
YIQ	147.3020, -136.4420, -27.2740

Conversions

Conversions Part 2

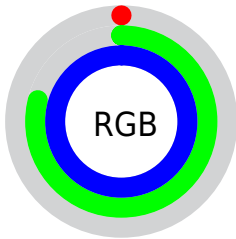
Format	Color
RYB	0, 112, 252
Decimal	51964
CIELab	75.62, -24.34, -36.18
CIELCh	76, 43.605, 236.062
Yxy	49.2693, 0.2063, 0.2627
Android (android.graphics.Color)	4278242044 (0xFF00CAFC)
YUV	147.3020, 51.6161, -129.1839
Hunter-Lab	70.1921, -24.4429, -34.9865

Details

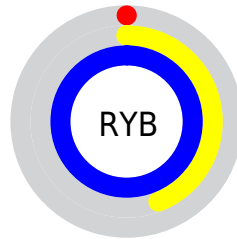
The Yxy color **49.2693, 0.2063, 0.2627** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.9841, 0.6206, 0.3454**, and the grayscale version is **29.1358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **25.1199, 0.2025, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **49.2727, 0.2063, 0.2627**, and if you desaturate by 10%, it is **51.8679, 0.2097, 0.2699**.

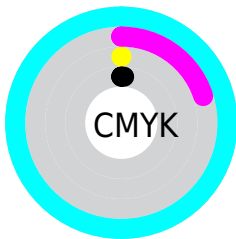
Distribution



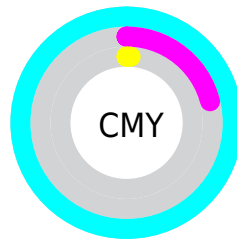
- Red (0%)
- Green (79%)
- Blue (99%)



- Red (0%)
- Yellow (44%)
- Blue (99%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (21%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2693, 0.2063, 0.2627 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 49.2693, 0.2063, 0.2627 by changing the saturation by 10% instead.

 49.2693, 0.2063,
0.2627


 49.2693, 0.2063,
0.2627


383.8015, 0.2561,
0.2962

 34.8332, 0.1951,
0.2545


 89.0913, 0.2235,
0.2748


 23.5344, 0.1813,
0.2441


 115.2459, 0.2302,
0.2794

 14.9886, 0.1643,
0.2307


 146.0755, 0.2360,
0.2833

 8.8114, 0.1428,
0.2127

 181.9644, 0.2411,
0.2866

 4.6184, 0.1154,
0.1880

 223.2971, 0.2455,
0.2895

 2.0251, 0.0805,
0.1529

270.4579, 0.2494,

 0.6220, 0.0000,

0.2920

0.1034

323.8313, 0.2529,
0.2942

■ 0.0000, 0.0000,
0.0000

■ 49.2693, 0.2063,
0.2627

■ 49.2693, 0.2063,
0.2627

■ 49.2727, 0.2063,
0.2627

■ 51.8679, 0.2097,
0.2699

■ 54.8097, 0.2147,
0.2772

■ 58.1819, 0.2217,
0.2845

■ 62.0356, 0.2307,
0.2918

■ 66.4137, 0.2415,
0.2989

■ 71.3538, 0.2539,
0.3058

■ 76.8898, 0.2675,
0.3123

■ 83.0524, 0.2820,
0.3183

■ 89.8701, 0.2972,
0.3239

Harmonies

Analogous

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



49.2693, 0.2151, 0.3096



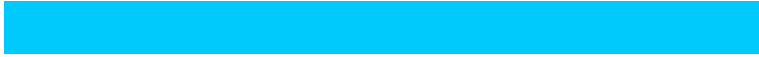
49.2693, 0.2063, 0.2627



49.2693, 0.2218, 0.2388

Triad

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



49.2693, 0.2063, 0.2627



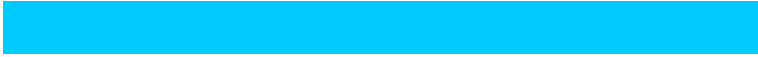
49.2693, 0.3767, 0.2897



49.2693, 0.3588, 0.4382

Complementary

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



49.2693, 0.2063, 0.2627



22.9841, 0.6206, 0.3454

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.



49.2693, 0.4074, 0.4190



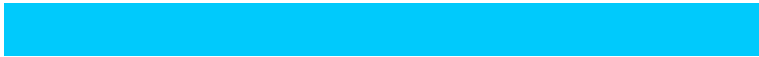
49.2693, 0.2063, 0.2627



49.2693, 0.4206, 0.3332

Square

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



49.2693, 0.2063, 0.2627



49.2693, 0.3162, 0.2557



49.2693, 0.4314, 0.3793



49.2693, 0.3004, 0.4217

Rectangle

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



49.2693, 0.2063, 0.2627



49.2693, 0.2450, 0.2355



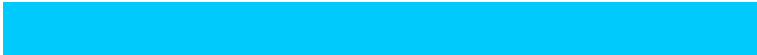
49.2693, 0.4314, 0.3793



49.2693, 0.3769, 0.4352

Sweetspot

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



49.2727, 0.2063, 0.2627



78.9558, 0.2675, 0.3122



69.8376, 0.2958, 0.5850



16.3701, 0.2616, 0.3095



0.0000, 0.0000, 0.0000



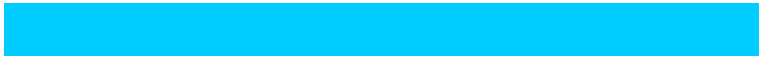
21.4041, 0.3127, 0.3290

Same Dimension

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



49.2727, 0.2063, 0.2627



50.5890, 0.2063, 0.2627



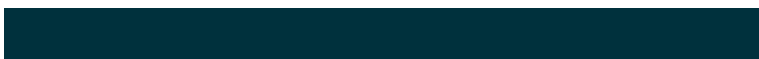
12.7395, 0.1613, 0.1006



18.9888, 0.2980, 0.3242



25.8732, 0.2067, 0.2639



2.5401, 0.2091, 0.2726

Inverse Universe

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



24.9652, 0.3798, 0.1866



25.6381, 0.3798, 0.1866



50.2895, 0.4904, 0.4488



17.4620, 0.3168, 0.3102



13.0228, 0.3786, 0.1859



1.2207, 0.3704, 0.1814

Previews

White Background



This preview shows how the Yxy color 49.2693, 0.2063, 0.2627 looks on a white background.

Color Contrast Check

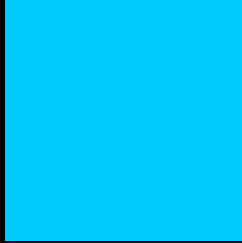
Large Text (above 18pt) WCAG AA × Fail

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 49.2693, 0.2063, 0.2627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

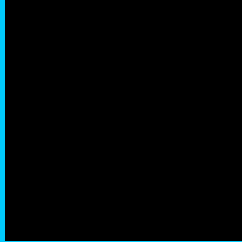
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2693, 0.2063, 0.2627

Background



This preview shows how black text looks on a background with the Yxy color 49.2693, 0.2063, 0.2627.



This preview shows how white text looks on a background with the Yxy color 49.2693, 0.2063, 0.2627.

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

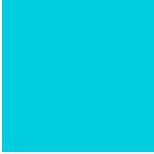
49.2693, 0.2063, 0.2627

Protanopia

48.6979, 0.2649, 0.2624

Deuteranopia

48.7684, 0.2494, 0.2438



Tritanopia

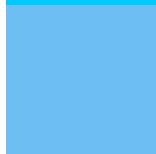
49.4165, 0.2184, 0.3061

Trichromacy



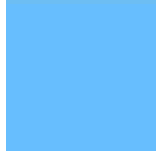
Original Color

49.2693, 0.2063, 0.2627



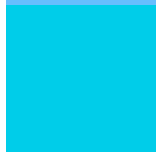
Protanomaly

46.5492, 0.2284, 0.2599



Deuteranomaly

46.8662, 0.2212, 0.2475



Tritanomaly

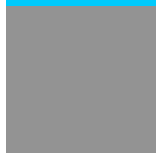
49.5458, 0.2139, 0.2901

Monochromacy



Original Color

49.2693, 0.2063, 0.2627



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.5199, 0.2436, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2693, 0.2063, 0.2627 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, 202, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 252)  
}
```

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, 202, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 252) }
```

Border

The CSS property to change the border of an element to Yxy 49.2693, 0.2063, 0.2627 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, 202, 252) }
```

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

```
.border{ border-color:rgb(0, 202, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2693, 0.2063, 0.2627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 252) }
```

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

```
.background{ background-color: rgb(0, 202,  
252) }
```

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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