

Converting Colors

$Y_{xy}(45.2905, 0.2056, 0.2600)$

Have a look what the booklet for
Yxy(45.2905, 0.2056, 0.2600)
contains.

Yxy(45.1826, 0.2054, 0.2594)	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(45.1826, 0.2054, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	00C2F5
RGB	0, 194, 245
RGB Percent	0%, 76%, 96%
CMY	0.9996, 0.2392, 0.0392
CMYK	1.00, 0.21, 0.00, 0.04
HSL	192°, 100%, 48%
HSV	192°, 100%, 96%
XYZ	35.7768, 45.1826, 93.2218
YIQ	141.8080, -131.9950, -25.2670

Conversions

Conversions Part 2

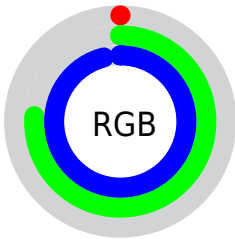
Format	Color
RYB	0, 108, 245
Decimal	49909
CIELab	73.01, -22.66, -36.44
CIELCh	73, 42.911, 238.128
Yxy	45.1826, 0.2054, 0.2594
Android (android.graphics.Color)	4278239989 (0xFF00C2F5)
YUV	141.8080, 50.8737, -124.3656
Hunter-Lab	67.2180, -22.6248, -35.1742

Details

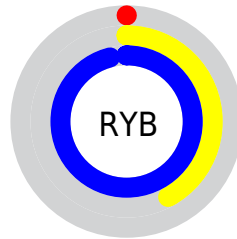
The Yxy color **45.1826, 0.2054, 0.2594** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.7887, 0.6186, 0.3470**, and the grayscale version is **26.8224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6591, 0.2410, 0.3241**, and **22.4303, 0.2007, 0.2425** is the 20% darker color. If you saturate the color by 10%, you get **45.1734, 0.2054, 0.2594**, and if you desaturate by 10%, it is **47.6951, 0.2089, 0.2670**.

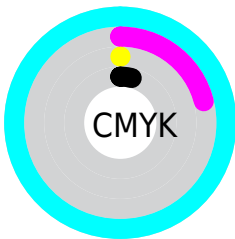
Distribution



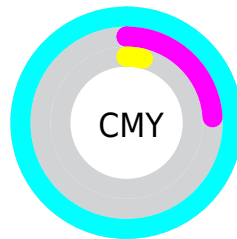
- Red (0%)
- Green (76%)
- Blue (96%)



- Red (0%)
- Yellow (42%)
- Blue (96%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (24%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1826, 0.2054, 0.2594 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 45.1826, 0.2054, 0.2594 by changing the saturation by 10% instead.


 45.1826, 0.2054,
0.2594


 45.1826, 0.2054,
0.2594


 367.5126, 0.2563,
0.2949

 31.6013, 0.1937,
0.2506


 82.9944, 0.2232,
0.2723


 21.0571, 0.1794,
0.2394


 107.9936, 0.2300,
0.2772

 13.1658, 0.1616,
0.2249


 137.5676, 0.2360,
0.2813

 7.5428, 0.1389,
0.2054

 172.1007, 0.2411,
0.2848

 3.8038, 0.1098,
0.1784

 211.9774, 0.2456,
0.2878

 1.5644, 0.0730,
0.1400

 257.5820, 0.2496,

 0.3334, 0.0000,

0.2905

0.0688

309.2989, 0.2531,
0.2928

■ 0.0000, 0.0000,
0.0000

■ 45.1826, 0.2054,
0.2594

■ 45.1826, 0.2054,
0.2594

■ 45.1734, 0.2054,
0.2594

■ 47.6951, 0.2089,
0.2670

■ 50.5376, 0.2141,
0.2747

■ 53.7904, 0.2213,
0.2824

■ 57.5010, 0.2304,
0.2900

■ 61.7096, 0.2413,
0.2975

■ 66.4514, 0.2538,
0.3047

■ 71.7579, 0.2675,
0.3115

■ 77.6580, 0.2821,
0.3178

■ 84.1784, 0.2973,
0.3237

Harmonies

Analogous

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



45.1826, 0.2126, 0.3054



45.1826, 0.2054, 0.2594



45.1826, 0.2227, 0.2369

Triad

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



45.1826, 0.2054, 0.2594



45.1826, 0.3814, 0.2920



45.1826, 0.3553, 0.4398

Complementary

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



45.1826, 0.2054, 0.2594



21.7887, 0.6186, 0.3470

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.



45.1826, 0.4058, 0.4223



45.1826, 0.2054, 0.2594



45.1826, 0.4240, 0.3364

Square

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



45.1826, 0.2054, 0.2594



45.1826, 0.3205, 0.2568



45.1826, 0.4323, 0.3829



45.1826, 0.2962, 0.4204

Rectangle

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



45.1826, 0.2054, 0.2594



45.1826, 0.2472, 0.2347



45.1826, 0.4323, 0.3829



45.1826, 0.3739, 0.4375

Sweetspot

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



45.1842, 0.2054, 0.2594



78.5201, 0.2674, 0.3114



65.5288, 0.2951, 0.5822



16.2650, 0.2614, 0.3086



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.



45.1842, 0.2054, 0.2594



49.4192, 0.2053, 0.2592



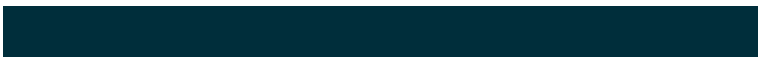
11.4345, 0.1603, 0.0970



18.1376, 0.2980, 0.3240



24.5420, 0.2057, 0.2606



2.3006, 0.2084, 0.2702

Inverse Universe

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



23.3108, 0.3830, 0.1884



25.5200, 0.3832, 0.1884



48.7407, 0.4857, 0.4525



16.7057, 0.3170, 0.3105



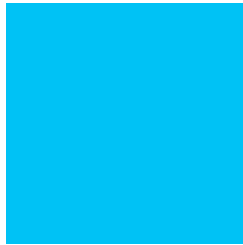
12.5769, 0.3818, 0.1877



1.1199, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 45.1826, 0.2054, 0.2594 looks on a white background.

Color Contrast Check

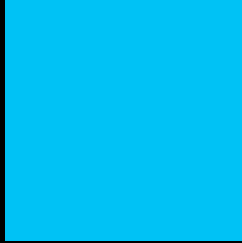
Large Text (above 18pt) WCAG AA × Fail

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 45.1826, 0.2054, 0.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

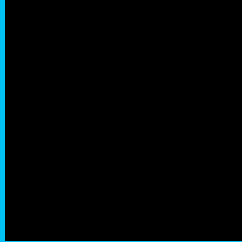
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1826, 0.2054, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 45.1826, 0.2054, 0.2594.

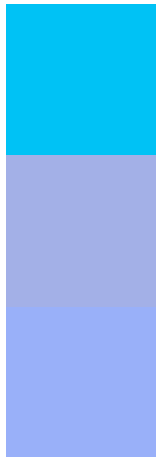


This preview shows how white text looks on a background with the Yxy color 45.1826, 0.2054, 0.2594.

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

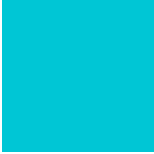
45.1761, 0.2054, 0.2594

Protanopia

44.6067, 0.2627, 0.2601

Deuteranopia

44.6625, 0.2457, 0.2398



Tritanopia

45.1923, 0.2185, 0.3067

Trichromacy



Original Color

45.1761, 0.2054, 0.2594



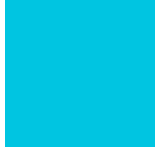
Protanomaly

42.8662, 0.2272, 0.2578



Deuteranomaly

43.1857, 0.2191, 0.2439



Tritanomaly

45.3687, 0.2135, 0.2887

Monochromacy



Original Color

45.1761, 0.2054, 0.2594



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.9181, 0.2429, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1826, 0.2054, 0.2594 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, 194, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 245)  
}
```

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, 194, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 245) }
```

Border

The CSS property to change the border of an element to Yxy 45.1826, 0.2054, 0.2594 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, 194, 245) }
```

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

```
.border{ border-color:rgb(0, 194, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 194, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 194, 245); box-shadow:4px 4px 4px 4px rgb(0, 194, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1826, 0.2054, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 245) }
```

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

```
.background{ background-color: rgb(0, 194,  
245) }
```

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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