

Converting Colors

$Y_{xy}(45.7423, 0.2100, 0.2758)$

Have a look what the booklet for
Yxy(45.7423, 0.2100, 0.2758)
contains.

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Color

Yxy(45.9371, 0.2100, 0.2758)

Conversions

Conversions Part 1

Format	Color
Hex	01C5EB
RGB	1, 197, 235
RGB Percent	0%, 77%, 92%
CMY	0.9960, 0.2275, 0.0783
CMYK	1.00, 0.16, 0.00, 0.08
HSL	190°, 99%, 46%
HSV	190°, 100%, 92%
XYZ	34.9775, 45.9371, 85.6449
YIQ	142.7280, -129.0140, -29.7340

Conversions

Conversions Part 2

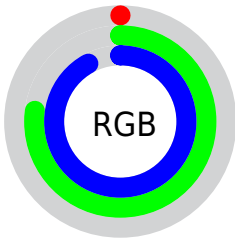
Format	Color
RYB	1, 108, 235
Decimal	116203
CIELab	73.50, -27.49, -30.30
CIELCh	74, 40.913, 227.784
Yxy	45.9371, 0.2100, 0.2758
Android (android.graphics.Color)	4278306283 (0xFF01C5EB)
YUV	142.7280, 45.4901, -124.2955
Hunter-Lab	67.7769, -26.4915, -27.4767

Details

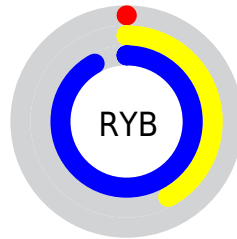
The Yxy color **45.9371, 0.2100, 0.2758** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.1248, 0.6250, 0.3415**, and the grayscale version is **27.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4186, 0.2411, 0.3276**, and **22.8996, 0.2065, 0.2633** is the 20% darker color. If you saturate the color by 10%, you get **45.8568, 0.2099, 0.2756**, and if you desaturate by 10%, it is **47.8897, 0.2130, 0.2816**.

Distribution



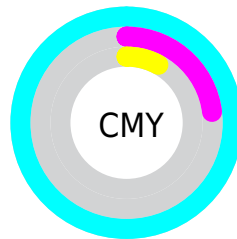
- Red (0%)
- Green (77%)
- Blue (92%)



- Red (0%)
- Yellow (42%)
- Blue (92%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9371, 0.2100, 0.2758 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 45.9371, 0.2100, 0.2758 by changing the saturation by 10% instead.


 45.9371, 0.2100,
0.2758

 45.9371, 0.2100,
0.2758


 370.5557, 0.2589,
0.3036


 32.1962, 0.1987,
0.2687


 84.1249, 0.2271,
0.2861

 21.5114, 0.1848,
0.2595


 109.3405, 0.2337,
0.2899


 13.4983, 0.1673,
0.2473


 139.1498, 0.2394,
0.2931

 7.7726, 0.1449,
0.2306

 173.9372, 0.2443,
0.2958

 3.9498, 0.1157,
0.2064

 214.0871, 0.2487,
0.2982

 1.6455, 0.0775,
0.1701

 259.9839, 0.2525,

 0.3880, 0.0000,

0.3002

0.0984

312.0120, 0.2559,
0.3020

■ 0.0000, 0.0000,
0.0000

■ 45.9371, 0.2100,
0.2758

■ 45.9371, 0.2100,
0.2758

■ 45.8568, 0.2099,
0.2756

■ 47.8897, 0.2130,
0.2816

■ 50.1193, 0.2177,
0.2874

■ 52.6958, 0.2243,
0.2933

■ 55.6615, 0.2329,
0.2991

■ 59.0520, 0.2433,
0.3048

■ 62.8985, 0.2553,
0.3104

■ 67.2292, 0.2686,
0.3156

■ 72.0697, 0.2829,
0.3205

■ 77.4436, 0.2980,
0.3250

Harmonies

Analogous

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



45.9371, 0.2253, 0.3262



45.9371, 0.2100, 0.2758



45.9371, 0.2186, 0.2462

Triad

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



45.9371, 0.2100, 0.2758



45.9371, 0.3589, 0.2809



45.9371, 0.3718, 0.4318

Complementary

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



45.9371, 0.2100, 0.2758



19.1248, 0.6250, 0.3415

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.



45.9371, 0.4132, 0.4067



45.9371, 0.2100, 0.2758



45.9371, 0.4074, 0.3212

Square

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



45.9371, 0.2100, 0.2758



45.9371, 0.3001, 0.2517



45.9371, 0.4274, 0.3658



45.9371, 0.3167, 0.4259

Rectangle

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



45.9371, 0.2100, 0.2758



45.9371, 0.2371, 0.2390



45.9371, 0.4274, 0.3658



45.9371, 0.3878, 0.4262

Sweetspot

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



45.9387, 0.2100, 0.2758



80.5861, 0.2678, 0.3153



59.5705, 0.2969, 0.5886



16.7638, 0.2620, 0.3131



0.0000, 0.0000, 0.0000



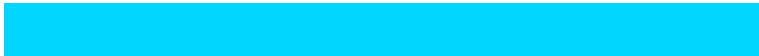
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9387, 0.2100, 0.2758



55.0879, 0.2098, 0.2753



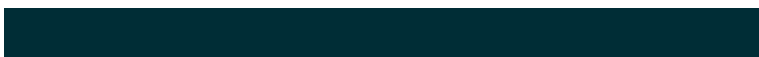
12.1818, 0.1641, 0.1104



16.6807, 0.2981, 0.3251



25.6727, 0.2101, 0.2765



2.1272, 0.2124, 0.2845

Inverse Universe

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



21.7212, 0.3674, 0.1799



26.0923, 0.3678, 0.1800



40.4949, 0.4987, 0.4420



15.2693, 0.3163, 0.3095



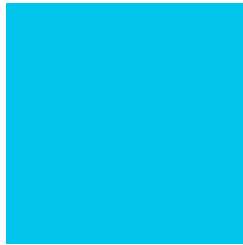
12.0845, 0.3667, 0.1794



0.9602, 0.3593, 0.1753

Previews

White Background



This preview shows how the Yxy color 45.9371, 0.2100, 0.2758 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 45.9371, 0.2100, 0.2758 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 45.9371, 0.2100, 0.2758

Background



This preview shows how black text looks on a background with the Yxy color 45.9371, 0.2100, 0.2758.



This preview shows how white text looks on a background with the Yxy color 45.9371, 0.2100, 0.2758.

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

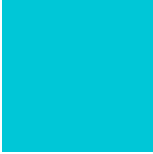
45.9371, 0.2100, 0.2758

Protanopia

45.0998, 0.2736, 0.2734

Deuteranopia

45.5221, 0.2574, 0.2517



Tritanopia

45.7531, 0.2182, 0.3053

Trichromacy



Original Color

45.9371, 0.2100, 0.2758



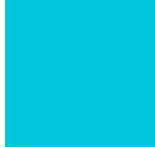
Protanomaly

42.9601, 0.2341, 0.2714



Deuteranomaly

43.3971, 0.2266, 0.2569



Tritanomaly

45.6621, 0.2151, 0.2942

Monochromacy



Original Color

45.9371, 0.2100, 0.2758



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.5531, 0.2460, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9371, 0.2100, 0.2758 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(1, 197, 235)` looks like.

```
.text, #text, p{  
    color:rgb(1, 197, 235)  
}
```

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(1, 197, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 197, 235) }
```

Border

The CSS property to change the border of an element to Yxy 45.9371, 0.2100, 0.2758 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(1, 197, 235) }
```

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

```
.border{ border-color:rgb(1, 197, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 197, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 197, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 197, 235);  
box-shadow:4px 4px 4px 4px rgb(1, 197,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9371, 0.2100, 0.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 197, 235) }
```

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

```
.background{ background-color: rgb(1, 197,  
235) }
```

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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