

Converting Colors

$Y_{xy}(46.1480, 0.2083, 0.2675)$

Have a look what the booklet for
Yxy(46.1480, 0.2083, 0.2675)
contains.

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Color

Yxy(45.9241, 0.2082, 0.2671)

Conversions

Conversions Part 1

Format	Color
Hex	0EC4F1
RGB	14, 196, 241
RGB Percent	5%, 77%, 95%
CMY	0.9462, 0.2314, 0.0548
CMYK	0.94, 0.19, 0.00, 0.05
HSL	192°, 89%, 50%
HSV	192°, 94%, 95%
XYZ	35.7971, 45.9241, 90.2148
YIQ	146.7120, -122.9170, -24.5890

Conversions

Conversions Part 2

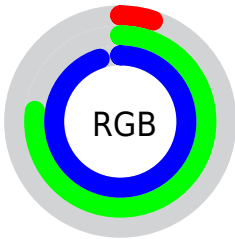
Format	Color
R_{YB}	14, 115, 241
Decimal	967921
CIE _{Lab}	73.50, -24.68, -33.54
CIE _{LCh}	73, 41.642, 233.658
Yxy	45.9241, 0.2082, 0.2671
Android (android.graphics.Color)	4279158001 (0xFF0EC4F1)
YUV	146.7120, 46.4840, -116.3884
Hunter-Lab	67.7673, -24.3029, -31.4923

Details

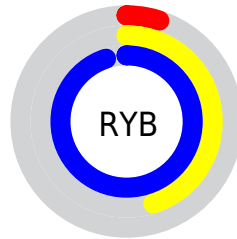
The Yxy color **45.9241, 0.2082, 0.2671** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.8362, 0.6079, 0.3501**, and the grayscale version is **28.8603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9813, 0.2418, 0.3265**, and **22.8488, 0.2034, 0.2521** is the 20% darker color. If you saturate the color by 10%, you get **44.6206, 0.2064, 0.2630**, and if you desaturate by 10%, it is **48.4311, 0.2125, 0.2743**.

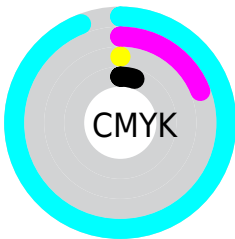
Distribution



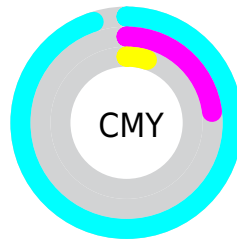
- Red (5%)
- Green (77%)
- Blue (95%)



- Red (5%)
- Yellow (45%)
- Blue (95%)



- Cyan (94%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)





- Cyan (95%)
- Magenta (23%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9241, 0.2082, 0.2671 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 45.9241, 0.2082, 0.2671 by changing the saturation by 10% instead.


 45.9241, 0.2082,
0.2671


 45.9241, 0.2082,
0.2671


 370.5034, 0.2578,
0.2990


 32.1859, 0.1968,
0.2591


 84.1054, 0.2255,
0.2787

 21.5036, 0.1828,
0.2489

 109.3173, 0.2322,
0.2831


 13.4926, 0.1653,
0.2355

 139.1226, 0.2380,
0.2868

 7.7686, 0.1429,
0.2174

 173.9057, 0.2430,
0.2899

 3.9472, 0.1139,
0.1918

 214.0509, 0.2474,
0.2927

 1.6441, 0.0768,
0.1545

 259.9426, 0.2513,

 0.3871, 0.0000,

0.2950

0.0858

311.9654, 0.2547,
0.2971

■ 0.0000, 0.0000,
0.0000

■ 45.9241, 0.2082,
0.2671

■ 45.9241, 0.2082,
0.2671

■ 44.6206, 0.2064,
0.2630

■ 48.4311, 0.2125,
0.2743

■ 51.3011, 0.2186,
0.2816

■ 54.5858, 0.2268,
0.2889

■ 58.3265, 0.2368,
0.2960

■ 62.5586, 0.2485,
0.3030

■ 67.3138, 0.2616,
0.3096

■ 72.6207, 0.2758,
0.3158

■ 78.5058, 0.2907,
0.3216

■ 84.9936, 0.3060,
0.3269

Harmonies

Analogous

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



45.9241, 0.2189, 0.3147



45.9241, 0.2082, 0.2671



45.9241, 0.2216, 0.2417

Triad

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



45.9241, 0.2082, 0.2671



45.9241, 0.3709, 0.2874



45.9241, 0.3623, 0.4354

Complementary

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



45.9241, 0.2082, 0.2671



21.8362, 0.6079, 0.3501

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.



45.9241, 0.4084, 0.4147



45.9241, 0.2082, 0.2671



45.9241, 0.4158, 0.3297

Square

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



45.9241, 0.2082, 0.2671



45.9241, 0.3114, 0.2551



45.9241, 0.4293, 0.3750



45.9241, 0.3054, 0.4221

Rectangle

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



45.9241, 0.2082, 0.2671



45.9241, 0.2432, 0.2373



45.9241, 0.4293, 0.3750



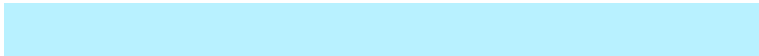
45.9241, 0.3797, 0.4316

Sweetspot

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



45.9257, 0.2082, 0.2671



80.1884, 0.2703, 0.3135



63.2956, 0.2945, 0.5764



16.6105, 0.2642, 0.3108



0.0000, 0.0000, 0.0000



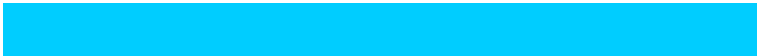
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9257, 0.2082, 0.2671



50.6427, 0.2063, 0.2628



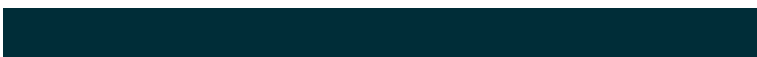
13.0502, 0.1653, 0.1114



17.3660, 0.2981, 0.3242



24.3856, 0.2067, 0.2642



2.1625, 0.2094, 0.2737

Inverse Universe

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



22.9972, 0.3754, 0.1860



25.6436, 0.3797, 0.1865



47.1275, 0.4837, 0.4509



15.9746, 0.3168, 0.3103



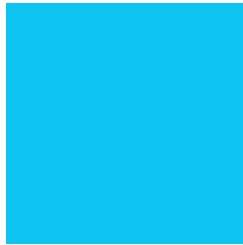
12.2551, 0.3783, 0.1858



1.0330, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 45.9241, 0.2082, 0.2671 looks on a white background.

Color Contrast Check

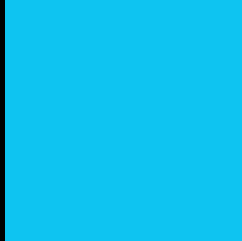
Large Text (above 18pt) WCAG AA × Fail

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 45.9241, 0.2082, 0.2671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

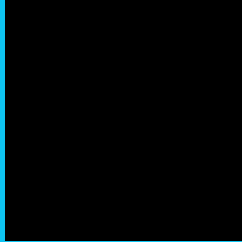
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9241, 0.2082, 0.2671

Background



This preview shows how black text looks on a background with the Yxy color 45.9241, 0.2082, 0.2671.



This preview shows how white text looks on a background with the Yxy color 45.9241, 0.2082, 0.2671.

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

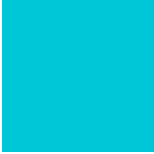
45.9241, 0.2082, 0.2671

Protanopia

45.2058, 0.2682, 0.2663

Deuteranopia

45.4078, 0.2519, 0.2460



Tritanopia

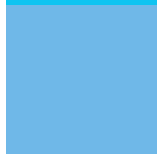
45.7531, 0.2182, 0.3053

Trichromacy



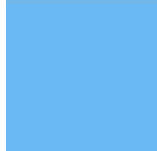
Original Color

45.9241, 0.2082, 0.2671



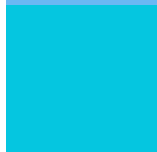
Protanomaly

43.4867, 0.2326, 0.2644



Deuteranomaly

43.8768, 0.2249, 0.2503



Tritanomaly

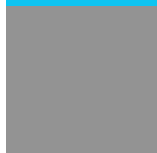
45.8023, 0.2146, 0.2916

Monochromacy



Original Color

45.9241, 0.2082, 0.2671



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

32.8991, 0.2483, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9241, 0.2082, 0.2671 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(14, 196, 241)` looks like.

```
.text, #text, p{  
    color:rgb(14, 196, 241)  
}
```

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(14, 196, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 196, 241) }
```

Border

The CSS property to change the border of an element to Yxy 45.9241, 0.2082, 0.2671 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(14, 196, 241) }
```

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

```
.border{ border-color:rgb(14, 196, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 196, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 196, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 196, 241);  
box-shadow:4px 4px 4px 4px rgb(14, 196,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9241, 0.2082, 0.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 196, 241) }
```

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

```
.background{ background-color: rgb(14, 196,  
241) }
```

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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