

Converting Colors

$Y_{xy}(45.4230, 0.2082, 0.2669)$

Have a look what the booklet for
Yxy(45.4230, 0.2082, 0.2669)
contains.

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Color

Yxy(45.4230, 0.2082, 0.2669)

Conversions

Conversions Part 1

Format	Color
Hex	0FC3F0
RGB	15, 195, 240
RGB Percent	6%, 76%, 94%
CMY	0.9430, 0.2352, 0.0589
CMYK	0.94, 0.19, 0.00, 0.06
HSL	192°, 89%, 50%
HSV	192°, 94%, 94%
XYZ	35.4330, 45.4230, 89.3313
YIQ	146.3100, -121.7250, -24.1650

Conversions

Conversions Part 2

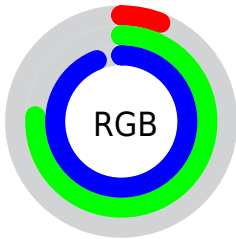
Format	Color
RYB	15, 115, 240
Decimal	1033200
CIELab	73.17, -24.50, -33.49
CIELCh	73, 41.494, 233.816
Yxy	45.4230, 0.2082, 0.2669
Android (android.graphics.Color)	4279223280 (0xFF0FC3F0)
YUV	146.3100, 46.1892, -115.1589
Hunter-Lab	67.3966, -24.0996, -31.4088

Details

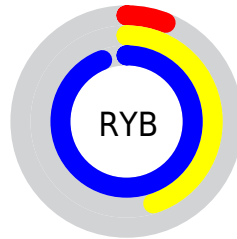
The Yxy color **45.4230, 0.2082, 0.2669** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.7377, 0.6066, 0.3507**, and the grayscale version is **28.6648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3515, 0.2416, 0.3253**, and **22.5104, 0.2033, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **44.0403, 0.2063, 0.2625**, and if you desaturate by 10%, it is **47.9294, 0.2125, 0.2742**.

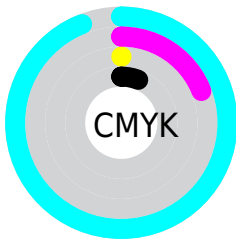
Distribution



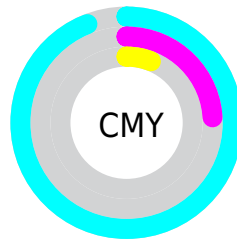
- Red (6%)
- Green (76%)
- Blue (94%)



- Red (6%)
- Yellow (45%)
- Blue (94%)



- Cyan (94%)
- Magenta (19%)
- Yellow (0%)
- Black (6%)




- Cyan (94%)
- Magenta (24%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4230, 0.2082, 0.2669 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 45.4230, 0.2082, 0.2669 by changing the saturation by 10% instead.

 45.4230, 0.2082,
0.2669


 45.4230, 0.2082,
0.2669


368.4840, 0.2579,
0.2989

 31.7907, 0.1968,
0.2589


 83.3548, 0.2256,
0.2786


 21.2017, 0.1827,
0.2486


 108.4231, 0.2323,
0.2830

 13.2715, 0.1650,
0.2351


 138.0723, 0.2381,
0.2867

 7.6158, 0.1425,
0.2167

 172.6866, 0.2431,
0.2899

 3.8501, 0.1134,
0.1909

 212.6506, 0.2475,
0.2926

 1.5901, 0.0759,
0.1532

258.3486, 0.2514,

 0.3509, 0.0000,

0.2950

0.0805

310.1649, 0.2548,
0.2970

■ 0.0000, 0.0000,
0.0000

■ 45.4230, 0.2082,
0.2669

■ 45.4230, 0.2082,
0.2669

■ 44.0403, 0.2063,
0.2625

■ 47.9294, 0.2125,
0.2742

■ 50.7983, 0.2188,
0.2815

■ 54.0804, 0.2270,
0.2889

■ 57.8161, 0.2372,
0.2961

■ 62.0406, 0.2489,
0.3030

■ 66.7850, 0.2621,
0.3097

■ 72.0776, 0.2763,
0.3159

■ 77.9445, 0.2912,
0.3217

■ 84.4099, 0.3066,
0.3270

Harmonies

Analogous

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



45.4230, 0.2187, 0.3144



45.4230, 0.2082, 0.2669



45.4230, 0.2217, 0.2416

Triad

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



45.4230, 0.2082, 0.2669



45.4230, 0.3711, 0.2876



45.4230, 0.3621, 0.4354

Complementary

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



45.4230, 0.2082, 0.2669



21.7377, 0.6066, 0.3507

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.



45.4230, 0.4082, 0.4148



45.4230, 0.2082, 0.2669



45.4230, 0.4160, 0.3299

Square

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



45.4230, 0.2082, 0.2669



45.4230, 0.3117, 0.2552



45.4230, 0.4293, 0.3752



45.4230, 0.3051, 0.4220

Rectangle

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



45.4230, 0.2082, 0.2669



45.4230, 0.2434, 0.2373



45.4230, 0.4293, 0.3752



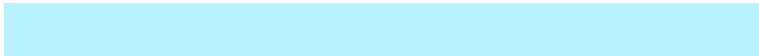
45.4230, 0.3794, 0.4317

Sweetspot

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



45.4246, 0.2082, 0.2669



80.1271, 0.2703, 0.3134



62.6976, 0.2944, 0.5758



16.5955, 0.2642, 0.3107



0.0000, 0.0000, 0.0000



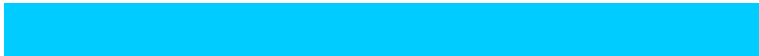
21.4041, 0.3127, 0.3290

Same Dimension

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



45.4246, 0.2082, 0.2669



50.4665, 0.2062, 0.2623



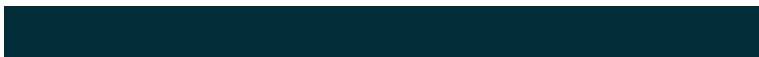
13.0324, 0.1656, 0.1122



17.3619, 0.2981, 0.3242



24.3027, 0.2066, 0.2637



2.1563, 0.2092, 0.2733

Inverse Universe

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



22.7932, 0.3755, 0.1863



25.6258, 0.3802, 0.1868



46.7830, 0.4832, 0.4510



15.9742, 0.3168, 0.3103



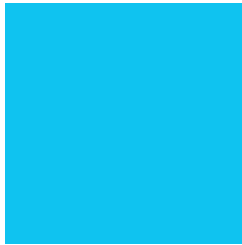
12.2467, 0.3788, 0.1861



1.0324, 0.3697, 0.1810

Previews

White Background



This preview shows how the Yxy color 45.4230, 0.2082, 0.2669 looks on a white background.

Color Contrast Check

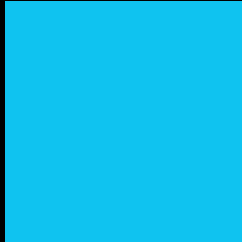
Large Text (above 18pt) WCAG AA × Fail

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 45.4230, 0.2082, 0.2669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

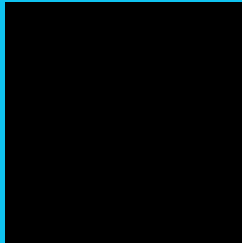
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4230, 0.2082, 0.2669

Background



This preview shows how black text looks on a background with the Yxy color 45.4230, 0.2082, 0.2669.



This preview shows how white text looks on a background with the Yxy color 45.4230, 0.2082, 0.2669.

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

45.4230, 0.2082, 0.2669

Protanopia

44.6486, 0.2680, 0.2660

Deuteranopia

44.8514, 0.2516, 0.2456



Tritanopia

45.2432, 0.2181, 0.3052

Trichromacy



Original Color

45.4230, 0.2082, 0.2669



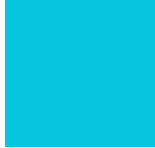
Protanomaly

43.0160, 0.2328, 0.2642



Deuteranomaly

43.4022, 0.2250, 0.2501



Tritanomaly

45.2925, 0.2145, 0.2914

Monochromacy



Original Color

45.4230, 0.2082, 0.2669



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.4429, 0.2481, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4230, 0.2082, 0.2669 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(15, 195, 240)` looks like.

```
.text, #text, p{  
    color:rgb(15, 195, 240)  
}
```

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(15, 195, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 195, 240) }
```

Border

The CSS property to change the border of an element to Yxy 45.4230, 0.2082, 0.2669 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(15, 195, 240) }
```

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

```
.border{ border-color:rgb(15, 195, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 195, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 195, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 195, 240);  
box-shadow:4px 4px 4px 4px rgb(15, 195,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4230, 0.2082, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 195, 240) }
```

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

```
.background{ background-color: rgb(15, 195,  
240) }
```

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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