

Converting Colors

$Y_{xy}(44.8262, 0.2104, 0.2749)$

Have a look what the booklet for
Yxy(44.8262, 0.2104, 0.2749)
contains.

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Color

Yxy(45.0068, 0.2106, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	0EC3E9
RGB	14, 195, 233
RGB Percent	5%, 76%, 91%
CMY	0.9442, 0.2353, 0.0863
CMYK	0.94, 0.16, 0.00, 0.09
HSL	190°, 88%, 48%
HSV	190°, 94%, 91%
XYZ	34.4045, 45.0068, 83.9528
YIQ	145.2130, -120.0740, -26.5540

Conversions

Conversions Part 2

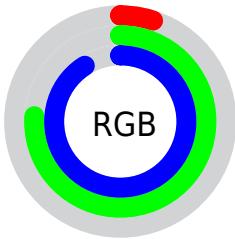
Format	Color
RYB	14, 113, 233
Decimal	967657
CIELab	72.90, -26.84, -30.13
CIELCh	73, 40.345, 228.305
Yxy	45.0068, 0.2106, 0.2755
Android (android.graphics.Color)	4279157737 (0xFF0EC3E9)
YUV	145.2130, 43.2790, -115.0738
Hunter-Lab	67.0871, -25.8618, -27.2345

Details

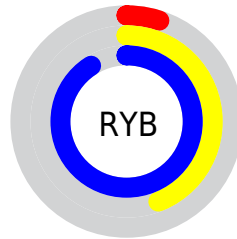
The Yxy color **45.0068, 0.2106, 0.2755** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.8286, 0.6109, 0.3469**, and the grayscale version is **28.2927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2856, 0.2413, 0.3253**, and **22.2241, 0.2063, 0.2625** is the 20% darker color. If you saturate the color by 10%, you get **43.8151, 0.2088, 0.2717**, and if you desaturate by 10%, it is **47.1539, 0.2146, 0.2817**.

Distribution



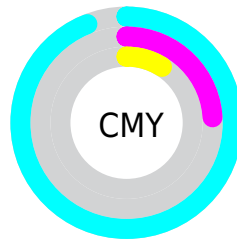
- Red (5%)
- Green (76%)
- Blue (91%)



- Red (5%)
- Yellow (44%)
- Blue (91%)



- Cyan (94%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)





- Cyan (94%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0068, 0.2106, 0.2755 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 45.0068, 0.2106, 0.2755 by changing the saturation by 10% instead.


 45.0068, 0.2106,
0.2755

 45.0068, 0.2106,
0.2755


366.8011, 0.2594,
0.3035


 31.4628, 0.1993,
0.2683


 82.7306, 0.2277,
0.2859


 20.9515, 0.1853,
0.2590


 107.6792, 0.2343,
0.2897

 13.0886, 0.1677,
0.2467

 137.1981, 0.2400,
0.2929

 7.4896, 0.1451,
0.2296

 171.6717, 0.2449,
0.2957

 3.7701, 0.1155,
0.2050

 211.4844, 0.2492,
0.2981

 1.5458, 0.0763,
0.1680

257.0206, 0.2530,

 0.3206, 0.0000,

0.3001

0.0872

308.6647, 0.2564,
0.3019

■ 0.0000, 0.0000,
0.0000

■ 45.0068, 0.2106,
0.2755

■ 45.0068, 0.2106,
0.2755

■ 43.8151, 0.2088,
0.2717

■ 47.1539, 0.2146,
0.2817

■ 49.6244, 0.2206,
0.2880

■ 52.4654, 0.2284,
0.2943

■ 55.7141, 0.2382,
0.3005

■ 59.4029, 0.2497,
0.3065

■ 63.5606, 0.2626,
0.3123

■ 68.2133, 0.2766,
0.3177

■ 73.3850, 0.2914,
0.3227

■ 79.0982, 0.3067,
0.3273

Harmonies

Analogous

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



45.0068, 0.2254, 0.3252



45.0068, 0.2106, 0.2755



45.0068, 0.2196, 0.2465

Triad

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



45.0068, 0.2106, 0.2755



45.0068, 0.3595, 0.2818



45.0068, 0.3706, 0.4313

Complementary

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



45.0068, 0.2106, 0.2755



19.8286, 0.6109, 0.3469

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.



45.0068, 0.4120, 0.4069



45.0068, 0.2106, 0.2755



45.0068, 0.4073, 0.3220

Square

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



45.0068, 0.2106, 0.2755



45.0068, 0.3012, 0.2526



45.0068, 0.4267, 0.3664



45.0068, 0.3157, 0.4247

Rectangle

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



45.0068, 0.2106, 0.2755



45.0068, 0.2382, 0.2395



45.0068, 0.4267, 0.3664



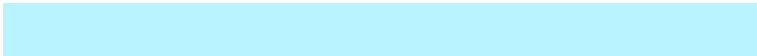
45.0068, 0.3866, 0.4259

Sweetspot

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



45.0084, 0.2106, 0.2755



81.2245, 0.2705, 0.3154



58.6010, 0.2951, 0.5783



16.8635, 0.2645, 0.3131



0.0000, 0.0000, 0.0000



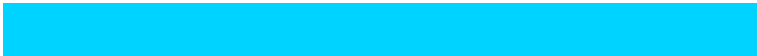
21.4041, 0.3127, 0.3290

Same Dimension

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



45.0084, 0.2106, 0.2755



53.6709, 0.2087, 0.2714



12.8179, 0.1669, 0.1168



16.6509, 0.2981, 0.3248



25.0277, 0.2091, 0.2727



2.0823, 0.2115, 0.2813

Inverse Universe

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



21.5816, 0.3674, 0.1818



25.9493, 0.3715, 0.1820



42.5182, 0.4871, 0.4477



15.2663, 0.3164, 0.3097



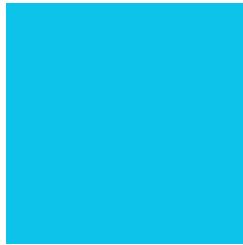
12.0194, 0.3703, 0.1813



0.9556, 0.3623, 0.1769

Previews

White Background



This preview shows how the Yxy color 45.0068, 0.2106, 0.2755 looks on a white background.

Color Contrast Check

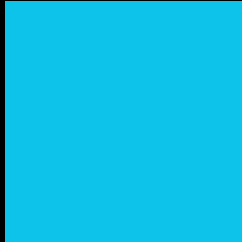
Large Text (above 18pt) WCAG AA × Fail

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 45.0068, 0.2106, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

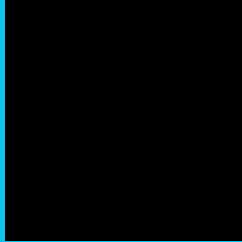
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0068, 0.2106, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 45.0068, 0.2106, 0.2755.



This preview shows how white text looks on a background with the Yxy color 45.0068, 0.2106, 0.2755.

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

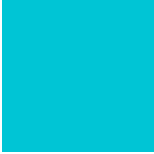
45.0068, 0.2106, 0.2755

Protanopia

44.3806, 0.2733, 0.2742

Deuteranopia

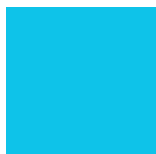
44.4101, 0.2569, 0.2510



Tritanopia

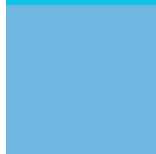
44.7366, 0.2181, 0.3051

Trichromacy



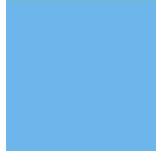
Original Color

45.0068, 0.2106, 0.2755



Protanomaly

42.6283, 0.2363, 0.2726



Deuteranomaly

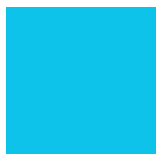
42.7002, 0.2288, 0.2567



Tritanomaly

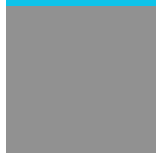
44.6794, 0.2153, 0.2939

Monochromacy



Original Color

45.0068, 0.2106, 0.2755



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.9101, 0.2490, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0068, 0.2106, 0.2755 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, 195, 233)` looks like.

```
.text, #text, p{  
    color:rgb(14, 195, 233)  
}
```

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, 195, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 195, 233) }
```

Border

The CSS property to change the border of an element to Yxy 45.0068, 0.2106, 0.2755 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, 195, 233) }
```

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

```
.border{ border-color:rgb(14, 195, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 195, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 195, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 195, 233);  
box-shadow:4px 4px 4px 4px rgb(14, 195,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0068, 0.2106, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 195, 233) }
```

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

```
.background{ background-color: rgb(14, 195,  
233) }
```

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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