

Converting Colors

$Yxy(45.0639, 0.2131, 0.2787)$

Have a look what the booklet for
Yxy(45.0639, 0.2131, 0.2787)
contains.

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Color

Yxy(45.1068, 0.2130, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	20C3E7
RGB	32, 195, 231
RGB Percent	13%, 76%, 91%
CMY	0.8745, 0.2353, 0.0941
CMYK	0.86, 0.16, 0.00, 0.09
HSL	191°, 81%, 52%
HSV	191°, 86%, 91%
XYZ	34.5354, 45.1068, 82.4958
YIQ	150.3670, -108.7040, -23.3600

Conversions

Conversions Part 2

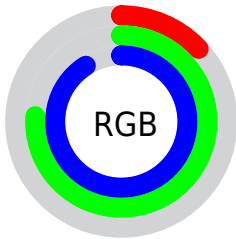
Format	Color
RYB	32, 122, 231
Decimal	2147303
CIELab	72.96, -26.67, -28.95
CIELCh	73, 39.358, 227.345
Yxy	45.1068, 0.2130, 0.2782
Android (android.graphics.Color)	4280337383 (0xFF20C3E7)
YUV	150.3670, 39.7521, -103.8079
Hunter-Lab	67.1616, -25.7457, -25.8139

Details

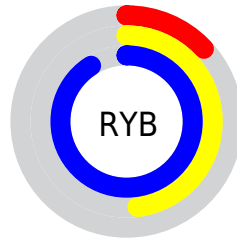
The Yxy color **45.1068, 0.2130, 0.2782** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **21.2315, 0.5869, 0.3531**, and the grayscale version is **30.5274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6227, 0.2429, 0.3253**, and **22.1449, 0.2072, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **43.0115, 0.2093, 0.2717**, and if you desaturate by 10%, it is **47.5161, 0.2186, 0.2848**.

Distribution



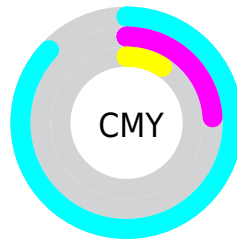
- Red (13%)
- Green (76%)
- Blue (91%)



- Red (13%)
- Yellow (48%)
- Blue (91%)



- Cyan (86%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)




- Cyan (87%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1068, 0.2130, 0.2782 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 45.1068, 0.2130, 0.2782 by changing the saturation by 10% instead.


 45.1068, 0.2130,
0.2782


 45.1068, 0.2130,
0.2782


367.2059, 0.2607,
0.3049


 31.5416, 0.2019,
0.2713


 82.8807, 0.2298,
0.2881


 21.0116, 0.1882,
0.2625


 107.8581, 0.2362,
0.2917

 13.1325, 0.1708,
0.2506


 137.4083, 0.2418,
0.2948

 7.5198, 0.1484,
0.2342

 171.9158, 0.2466,
0.2974

 3.7893, 0.1190,
0.2103

 211.7649, 0.2508,
0.2997

 1.5564, 0.0797,
0.1739

257.3400, 0.2545,

 0.3279, 0.0000,

0.3016

0.0933

309.0256, 0.2578,
0.3033

■ 0.0000, 0.0000,
0.0000

■ 45.1068, 0.2130,
0.2782

■ 45.1068, 0.2130,
0.2782

■ 43.0115, 0.2093,
0.2717

■ 47.5161, 0.2186,
0.2848

■ 42.2559, 0.2081,
0.2692

■ 50.2819, 0.2262,
0.2914

■ 53.4438, 0.2356,
0.2979

■ 57.0344, 0.2468,
0.3042

■ 61.0827, 0.2595,
0.3103

■ 65.6148, 0.2733,
0.3160

■ 70.6547, 0.2880,
0.3213

■ 76.2248, 0.3032,
0.3262

■ 82.3459, 0.3187,
0.3307

Harmonies

Analogous

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



45.1068, 0.2283, 0.3272



45.1068, 0.2130, 0.2782



45.1068, 0.2210, 0.2490

Triad

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



45.1068, 0.2130, 0.2782



45.1068, 0.3566, 0.2818



45.1068, 0.3709, 0.4283

Complementary

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



45.1068, 0.2130, 0.2782



21.2315, 0.5869, 0.3531

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.



45.1068, 0.4106, 0.4041



45.1068, 0.2130, 0.2782



45.1068, 0.4038, 0.3210

Square

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



45.1068, 0.2130, 0.2782



45.1068, 0.2998, 0.2536



45.1068, 0.4237, 0.3644



45.1068, 0.3176, 0.4228

Rectangle

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



45.1068, 0.2130, 0.2782



45.1068, 0.2389, 0.2417



45.1068, 0.4237, 0.3644



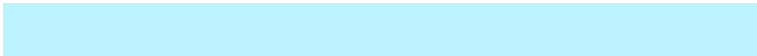
45.1068, 0.3863, 0.4229

Sweetspot

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



45.1084, 0.2130, 0.2782



82.1034, 0.2733, 0.3160



57.8496, 0.2937, 0.5639



17.1356, 0.2684, 0.3140



0.0000, 0.0000, 0.0000



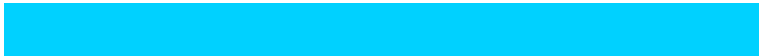
21.4041, 0.3127, 0.3290

Same Dimension

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



45.1084, 0.2130, 0.2782



52.7509, 0.2080, 0.2689



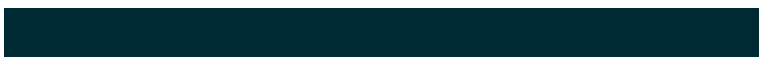
14.8768, 0.1738, 0.1331



15.8695, 0.2981, 0.3246



23.8540, 0.2084, 0.2702



1.8788, 0.2110, 0.2797

Inverse Universe

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



21.9645, 0.3645, 0.1848



25.8564, 0.3739, 0.1833



43.8891, 0.4762, 0.4484



14.5681, 0.3165, 0.3100



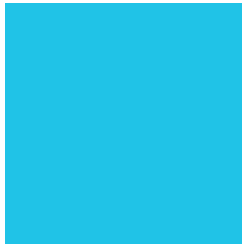
11.6058, 0.3726, 0.1826



0.8693, 0.3637, 0.1777

Previews

White Background



This preview shows how the Yxy color 45.1068, 0.2130, 0.2782 looks on a white background.

Color Contrast Check

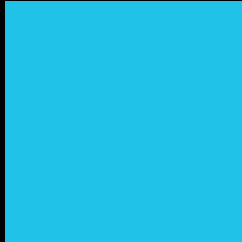
Large Text (above 18pt) WCAG AA × Fail

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 45.1068, 0.2130, 0.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

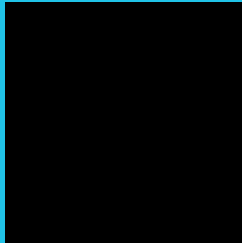
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1068, 0.2130, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 45.1068, 0.2130, 0.2782.

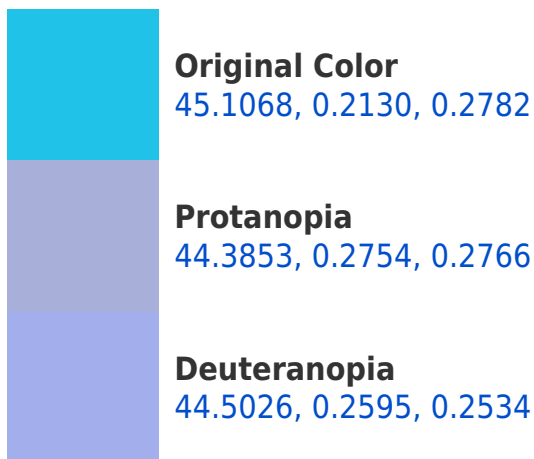


This preview shows how white text looks on a background with the Yxy color 45.1068, 0.2130, 0.2782.

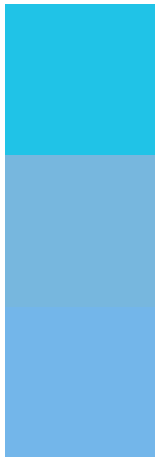
Color Blindness Simulation

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



Trichromacy



Original Color

45.1068, 0.2130, 0.2782

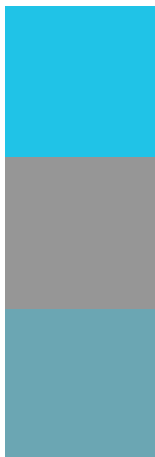
Protanomaly

43.0628, 0.2415, 0.2757

Deuteranomaly

43.0412, 0.2331, 0.2596

Monochromacy



Original Color

45.1068, 0.2130, 0.2782

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

33.6529, 0.2550, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1068, 0.2130, 0.2782 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(32, 195, 231)` looks like.

```
.text, #text, p{  
    color:rgb(32, 195, 231)  
}
```

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(32, 195, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 195, 231) }
```

Border

The CSS property to change the border of an element to Yxy 45.1068, 0.2130, 0.2782 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(32, 195, 231) }
```

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

```
.border{ border-color:rgb(32, 195, 231) }
```

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

Here you see how a box with a 4 pixel rgb(32, 195, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 195, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 195, 231);  
box-shadow:4px 4px 4px 4px rgb(32, 195,  
231) }
```

Background

The CSS property to change the background color of an element to Yxy 45.1068, 0.2130, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 195, 231) }
```

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

```
.background{ background-color: rgb(32, 195,  
231) }
```

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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