

Converting Colors

$Y_{xy}(45.1297, 0.2146, 0.2927)$

Have a look what the booklet for
Yxy(45.1297, 0.2146, 0.2927)
contains.

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Color

Yxy(45.2064, 0.2146, 0.2927)

Conversions

Conversions Part 1

Format	Color
Hex	00C5DE
RGB	0, 197, 222
RGB Percent	0%, 77%, 87%
CMY	1.0000, 0.2274, 0.1294
CMYK	1.00, 0.11, 0.00, 0.13
HSL	187°, 100%, 44%
HSV	187°, 100%, 87%
XYZ	33.1442, 45.2064, 76.0956
YIQ	140.9470, -125.4370, -33.9890

Conversions

Conversions Part 2

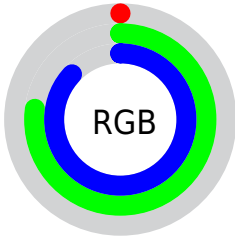
Format	Color
R _{YB}	0, 104, 222
Decimal	50654
CIE _{Lab}	73.03, -31.81, -23.99
CIE _{LCh}	73, 39.840, 217.025
Yxy	45.2064, 0.2146, 0.2927
Android (android.graphics.Color)	4278240734 (0xFF00C5DE)
YUV	140.9470, 39.9591, -123.6105
Hunter-Lab	67.2357, -29.6701, -20.0379

Details

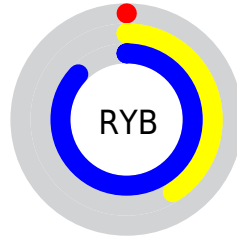
The Yxy color **45.2064, 0.2146, 0.2927** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.2273, 0.6319, 0.3365**, and the grayscale version is **26.4955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2918, 0.2405, 0.3276**, and **22.4349, 0.2120, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **45.2135, 0.2146, 0.2927**, and if you desaturate by 10%, it is **46.5313, 0.2171, 0.2966**.

Distribution



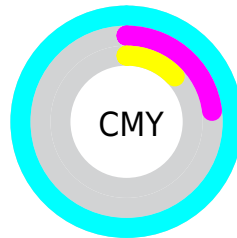
- Red (0%)
- Green (77%)
- Blue (87%)



- Red (0%)
- Yellow (41%)
- Blue (87%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2064, 0.2146, 0.2927 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 45.2064, 0.2146, 0.2927 by changing the saturation by 10% instead.


 45.2064, 0.2146,
0.2927

 45.2064, 0.2146,
0.2927


367.6088, 0.2617,
0.3124

 31.6200, 0.2036,
0.2874

 83.0301, 0.2312,
0.3002


 21.0714, 0.1899,
0.2804


 108.0361, 0.2376,
0.3029

 13.1762, 0.1725,
0.2709


 137.6175, 0.2431,
0.3052

 7.5500, 0.1499,
0.2573

 172.1587, 0.2478,
0.3071

 3.8084, 0.1200,
0.2367

 212.0441, 0.2520,
0.3087

 1.5670, 0.0773,
0.2039

257.6579, 0.2556,

 0.3352, 0.0000,

0.3101

0.1185

309.3847, 0.2588,
0.3114

■ 0.0000, 0.0000,
0.0000

■ 45.2064, 0.2146,
0.2927

■ 45.2064, 0.2146,
0.2927

■ 45.2135, 0.2146,
0.2927

■ 46.5313, 0.2171,
0.2966

■ 48.0668, 0.2211,
0.3005

■ 49.8846, 0.2270,
0.3044

■ 52.0215, 0.2348,
0.3084

■ 54.5084, 0.2444,
0.3122

■ 57.3725, 0.2558,
0.3160

■ 60.6380, 0.2686,
0.3196

■ 64.3271, 0.2825,
0.3230

■ 68.4604, 0.2974,
0.3261

Harmonies

Analogous

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



45.2064, 0.2380, 0.3470



45.2064, 0.2146, 0.2927



45.2064, 0.2147, 0.2557

Triad

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



45.2064, 0.2146, 0.2927



45.2064, 0.3374, 0.2700



45.2064, 0.3876, 0.4237

Complementary

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



45.2064, 0.2146, 0.2927



16.2273, 0.6319, 0.3365

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.



45.2064, 0.4198, 0.3920



45.2064, 0.2146, 0.2927



45.2064, 0.3908, 0.3064

Square

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



45.2064, 0.2146, 0.2927



45.2064, 0.2811, 0.2466



45.2064, 0.4219, 0.3495



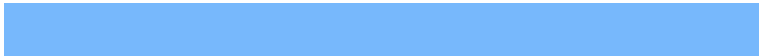
45.2064, 0.3367, 0.4300

Rectangle

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



45.2064, 0.2146, 0.2927



45.2064, 0.2276, 0.2434



45.2064, 0.4219, 0.3495



45.2064, 0.4010, 0.4152

Sweetspot

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



45.2135, 0.2146, 0.2927



82.8904, 0.2683, 0.3195



52.3092, 0.2983, 0.5940



17.3219, 0.2627, 0.3180



0.0000, 0.0000, 0.0000



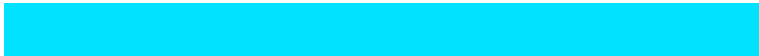
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2135, 0.2146, 0.2927



61.7675, 0.2146, 0.2924



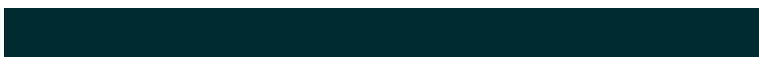
12.3872, 0.1678, 0.1242



15.2949, 0.2982, 0.3263



26.9553, 0.2148, 0.2933



1.9445, 0.2165, 0.2993

Inverse Universe

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



19.5638, 0.3519, 0.1712



26.7666, 0.3522, 0.1714



32.3643, 0.5131, 0.4308



13.9077, 0.3155, 0.3085



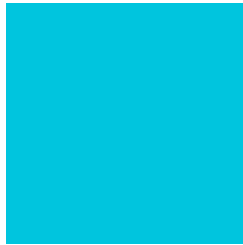
11.6292, 0.3514, 0.1709



0.8137, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 45.2064, 0.2146, 0.2927 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 45.2064, 0.2146, 0.2927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

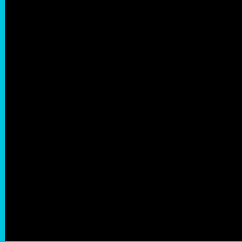
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2064, 0.2146, 0.2927

Background



This preview shows how black text looks on a background with the Yxy color 45.2064, 0.2146, 0.2927.



This preview shows how white text looks on a background with the Yxy color 45.2064, 0.2146, 0.2927.

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

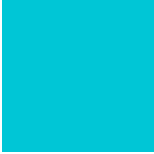
45.2064, 0.2146, 0.2927

Protanopia

44.3754, 0.2848, 0.2877

Deuteranopia

44.7520, 0.2702, 0.2641



Tritanopia

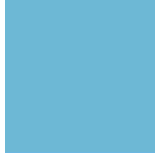
45.2432, 0.2181, 0.3052

Trichromacy



Original Color

45.2064, 0.2146, 0.2927



Protanomaly

42.3363, 0.2411, 0.2879



Deuteranomaly

42.4914, 0.2343, 0.2712



Tritanomaly

45.3979, 0.2170, 0.3010

Monochromacy



Original Color

45.2064, 0.2146, 0.2927



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.5657, 0.2485, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2064, 0.2146, 0.2927 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(0, 197, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 222)  
}
```

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(0, 197, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 222) }
```

Border

The CSS property to change the border of an element to Yxy 45.2064, 0.2146, 0.2927 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(0, 197, 222) }
```

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

```
.border{ border-color:rgb(0, 197, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2064, 0.2146, 0.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 222) }
```

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

```
.background{ background-color: rgb(0, 197,  
222) }
```

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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