

Converting Colors

$Yxy(45.4510, 0.2258, 0.3155)$

Have a look what the booklet for
Yxy(45.4510, 0.2258, 0.3155)
contains.

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Color

Yxy(45.4510, 0.2258, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	2DC6CF
RGB	45, 198, 207
RGB Percent	18%, 78%, 81%
CMY	0.8245, 0.2235, 0.1883
CMYK	0.78, 0.04, 0.00, 0.19
HSL	183°, 64%, 49%
HSV	183°, 78%, 81%
XYZ	32.5288, 45.4510, 66.0804
YIQ	153.2790, -94.0770, -29.6370

Conversions

Conversions Part 2

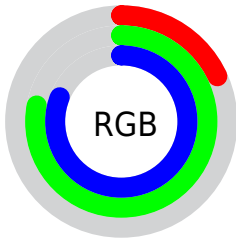
Format	Color
RYB	45, 124, 207
Decimal	3000015
CIELab	73.19, -34.69, -15.56
CIElCh	73, 38.019, 204.156
Yxy	45.4510, 0.2258, 0.3155
Android (android.graphics.Color)	4281190095 (0xFF2DC6CF)
YUV	153.2790, 26.4845, -94.9607
Hunter-Lab	67.4174, -31.8543, -10.9221

Details

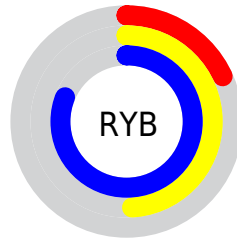
The Yxy color **45.4510, 0.2258, 0.3155** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **16.0636, 0.5769, 0.3369**, and the grayscale version is **31.8659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **22.2464, 0.2197, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **44.5740, 0.2222, 0.3137**, and if you desaturate by 10%, it is **46.5649, 0.2313, 0.3174**.

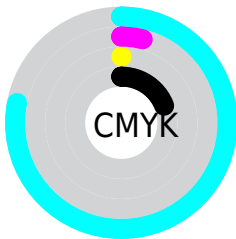
Distribution



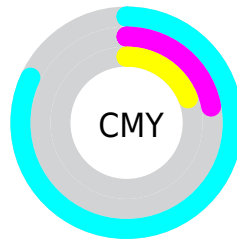
- Red (18%)
- Green (78%)
- Blue (81%)



- Red (18%)
- Yellow (49%)
- Blue (81%)



- Cyan (78%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)





- Cyan (82%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4510, 0.2258, 0.3155 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 45.4510, 0.2258, 0.3155 by changing the saturation by 10% instead.


 45.4510, 0.2258,
0.3155

 45.4510, 0.2258,
0.3155


368.5971, 0.2680,
0.3236


 31.8128, 0.2157,
0.3131


 83.3968, 0.2408,
0.3188

 21.2186, 0.2031,
0.3097


 108.4731, 0.2465,
0.3199


 13.2839, 0.1869,
0.3049


 138.1310, 0.2514,
0.3208

 7.6243, 0.1655,
0.2975

 172.7548, 0.2556,
0.3216

 3.8555, 0.1361,
0.2854

 212.7289, 0.2593,
0.3222

 1.5931, 0.0898,
0.2644

258.4378, 0.2626,

 0.3529, 0.0000,

0.3228

0.1839

310.2657, 0.2654,
0.3232

■ 0.0000, 0.0000,
0.0000

■ 45.4510, 0.2258,
0.3155

■ 45.4510, 0.2258,
0.3155

■ 44.5740, 0.2222,
0.3137

■ 46.5649, 0.2313,
0.3174

■ 43.8835, 0.2202,
0.3118

■ 47.9403, 0.2387,
0.3193

■ 43.7783, 0.2199,
0.3115

■ 49.6043, 0.2479,
0.3211

■ 51.5792, 0.2589,
0.3229

■ 53.8850, 0.2714,
0.3246

■ 56.5401, 0.2852,
0.3263

■ 59.5616, 0.2999,
0.3278

■ 62.9653, 0.3152,
0.3292

■ 66.7662, 0.3310,
0.3305

Harmonies

Analogous

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



45.4510, 0.2575, 0.3696



45.4510, 0.2258, 0.3155



45.4510, 0.2161, 0.2719

Triad

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



45.4510, 0.2258, 0.3155



45.4510, 0.3126, 0.2610



45.4510, 0.4004, 0.4088

Complementary

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



45.4510, 0.2258, 0.3155



16.0636, 0.5769, 0.3369

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.



45.4510, 0.4196, 0.3729



45.4510, 0.2258, 0.3155



45.4510, 0.3669, 0.2913

Square

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



45.4510, 0.2258, 0.3155



45.4510, 0.2627, 0.2454



45.4510, 0.4075, 0.3309



45.4510, 0.3580, 0.4264

Rectangle

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



45.4510, 0.2258, 0.3155



45.4510, 0.2222, 0.2538



45.4510, 0.4075, 0.3309



45.4510, 0.4099, 0.3982

Sweetspot

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



45.4527, 0.2258, 0.3155



88.0431, 0.2769, 0.3253



45.4272, 0.2991, 0.5657



18.5284, 0.2720, 0.3247



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.



45.4527, 0.2258, 0.3155



70.6784, 0.2207, 0.3124



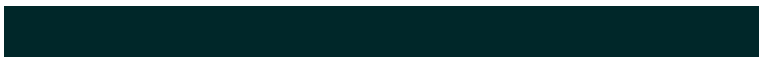
17.9566, 0.1912, 0.1828



13.2904, 0.2983, 0.3277



27.6330, 0.2200, 0.3118



1.5800, 0.2209, 0.3151

Inverse Universe

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



19.1994, 0.3313, 0.1726



28.0059, 0.3345, 0.1632



30.4961, 0.4840, 0.4252



11.9973, 0.3146, 0.3073



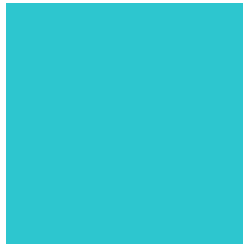
10.8608, 0.3352, 0.1620



0.6108, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 45.4510, 0.2258, 0.3155 looks on a white background.

Color Contrast Check

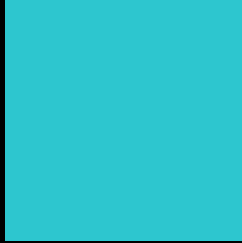
Large Text (above 18pt) WCAG AA × Fail

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 45.4510, 0.2258, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

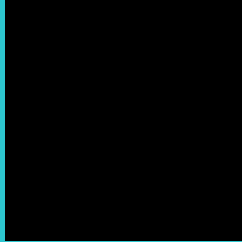
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

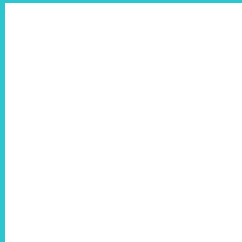
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4510, 0.2258, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 45.4510, 0.2258, 0.3155.

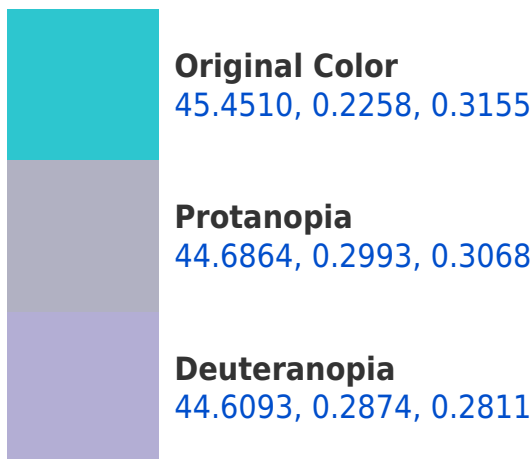


This preview shows how white text looks on a background with the Yxy color 45.4510, 0.2258, 0.3155.

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





Tritanopia

45.4147, 0.2239, 0.3055

Trichromacy



Original Color

45.4510, 0.2258, 0.3155



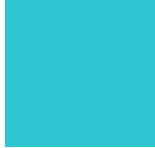
Protanomaly

43.4886, 0.2609, 0.3091



Deuteranomaly

43.2659, 0.2546, 0.2916



Tritanomaly

45.2640, 0.2244, 0.3083

Monochromacy



Original Color

45.4510, 0.2258, 0.3155



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.9705, 0.2644, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4510, 0.2258, 0.3155 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(45, 198, 207)` looks like.

```
.text, #text, p{  
    color:rgb(45, 198, 207)  
}
```

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(45, 198, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 198, 207) }
```

Border

The CSS property to change the border of an element to Yxy 45.4510, 0.2258, 0.3155 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(45, 198, 207) }
```

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

```
.border{ border-color:rgb(45, 198, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 198, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 198, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 198, 207);  
box-shadow:4px 4px 4px 4px rgb(45, 198,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4510, 0.2258, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 198, 207) }
```

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

```
.background{ background-color: rgb(45, 198,  
207) }
```

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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