

Converting Colors

$Yxy(45.2807, 0.2429, 0.3172)$

Have a look what the booklet for
Yxy(45.2807, 0.2429, 0.3172)
contains.

Yxy(45.2807, 0.2429, 0.3172)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.2807, 0.2429, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	5FC2CA
RGB	95, 194, 202
RGB Percent	37%, 76%, 79%
CMY	0.6274, 0.2392, 0.2078
CMYK	0.53, 0.04, 0.00, 0.21
HSL	184°, 50%, 58%
HSV	184°, 53%, 79%
XYZ	34.6743, 45.2807, 62.7963
YIQ	165.3110, -61.5720, -18.5000

Conversions

Conversions Part 2

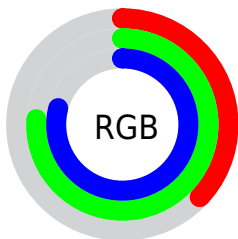
Format	Color
RYB	95, 146, 202
Decimal	6275786
CIELab	73.08, -26.68, -12.90
CIELCh	73, 29.636, 205.797
Yxy	45.2807, 0.2429, 0.3172
Android (android.graphics.Color)	4284465866 (0xFF5FC2CA)
YUV	165.3110, 18.0877, -61.6627
Hunter-Lab	67.2909, -25.7800, -8.2261

Details

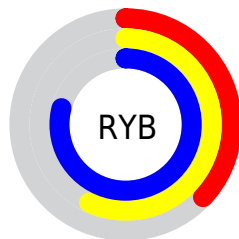
The Yxy color **45.2807, 0.2429, 0.3172** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.0928, 0.4599, 0.3395**, and the grayscale version is **37.7213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9867, 0.2567, 0.3244**, and **21.1139, 0.2242, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **43.6669, 0.2342, 0.3147**, and if you desaturate by 10%, it is **47.1853, 0.2533, 0.3197**.

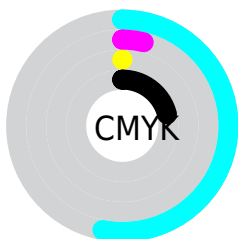
Distribution



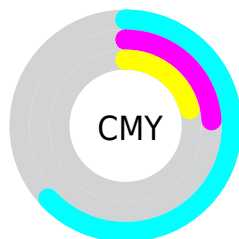
- Red (37%)
- Green (76%)
- Blue (79%)



- Red (37%)
- Yellow (57%)
- Blue (79%)



- Cyan (53%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)





- Cyan (63%)
- Magenta (24%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2807, 0.2429, 0.3172 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 45.2807, 0.2429, 0.3172 by changing the saturation by 10% instead.


 45.2807, 0.2429,
0.3172


 45.2807, 0.2429,
0.3172


367.9092, 0.2771,
0.3240

 31.6786, 0.2346,
0.3152


 83.1415, 0.2552,
0.3199


 21.1161, 0.2242,
0.3126


 108.1689, 0.2598,
0.3208

 13.2089, 0.2105,
0.3087


 137.7736, 0.2638,
0.3216

 7.5726, 0.1922,
0.3030

 172.3399, 0.2672,
0.3222

 3.8227, 0.1662,
0.2934

212.2522, 0.2701,
0.3228

 1.5749, 0.1270,
0.2759

257.8949, 0.2728,

 0.3406, 0.0000,

0.3233

0.2068

309.6525, 0.2751,
0.3237

0.0000, 0.0000,
0.0000

45.2807, 0.2429,
0.3172

45.2807, 0.2429,
0.3172

43.6669, 0.2342,
0.3147

47.1853, 0.2533,
0.3197

42.3166, 0.2275,
0.3121

49.3953, 0.2653,
0.3221

41.2059, 0.2226,
0.3096

51.9304, 0.2787,
0.3244

40.3042, 0.2195,
0.3070

54.8073, 0.2930,
0.3265

39.7559, 0.2181,
0.3053

58.0415, 0.3081,
0.3285

■ 61.6473, 0.3237,
0.3302

■ 65.6386, 0.3394,
0.3319

■ 69.7169, 0.3538,
0.3333

■ 70.4494, 0.3535,
0.3349

Harmonies

Analogous

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



45.2807, 0.2678, 0.3583



45.2807, 0.2429, 0.3172



45.2807, 0.2357, 0.2833

Triad

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



45.2807, 0.2429, 0.3172



45.2807, 0.3155, 0.2757



45.2807, 0.3806, 0.3937

Complementary

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



45.2807, 0.2429, 0.3172



23.0928, 0.4599, 0.3395

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.



45.2807, 0.3961, 0.3668



45.2807, 0.2429, 0.3172



45.2807, 0.3573, 0.3009

Square

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



45.2807, 0.2429, 0.3172



45.2807, 0.2754, 0.2625



45.2807, 0.3876, 0.3334



45.2807, 0.3470, 0.4045

Rectangle

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



45.2807, 0.2429, 0.3172



45.2807, 0.2413, 0.2689



45.2807, 0.3876, 0.3334



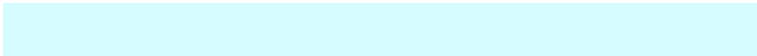
45.2807, 0.3882, 0.3860

Sweetspot

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



45.2824, 0.2429, 0.3172



91.1322, 0.2883, 0.3258



45.6433, 0.3011, 0.4865



19.2867, 0.2853, 0.3254



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.



45.2824, 0.2429, 0.3172



73.4532, 0.2328, 0.3142



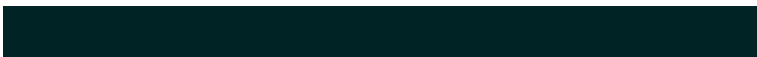
25.8628, 0.2262, 0.2343



12.5776, 0.2984, 0.3272



25.6369, 0.2182, 0.3056



1.3664, 0.2196, 0.3105

Inverse Universe

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



24.6421, 0.3275, 0.2113



35.3373, 0.3312, 0.1913



37.0448, 0.4192, 0.4059



11.3887, 0.3149, 0.3078



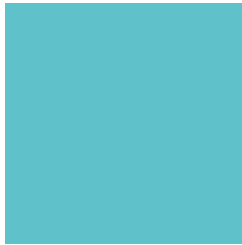
10.3910, 0.3405, 0.1649



0.5405, 0.3363, 0.1626

Previews

White Background



This preview shows how the Yxy color 45.2807, 0.2429, 0.3172 looks on a white background.

Color Contrast Check

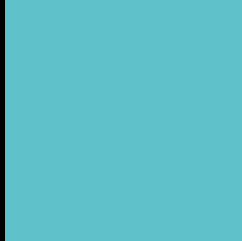
Large Text (above 18pt) WCAG AA × Fail

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 45.2807, 0.2429, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

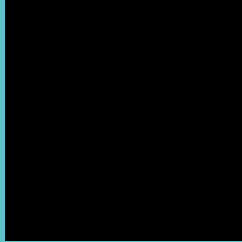
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

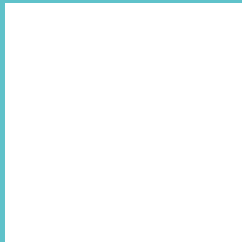
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2807, 0.2429, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 45.2807, 0.2429, 0.3172.

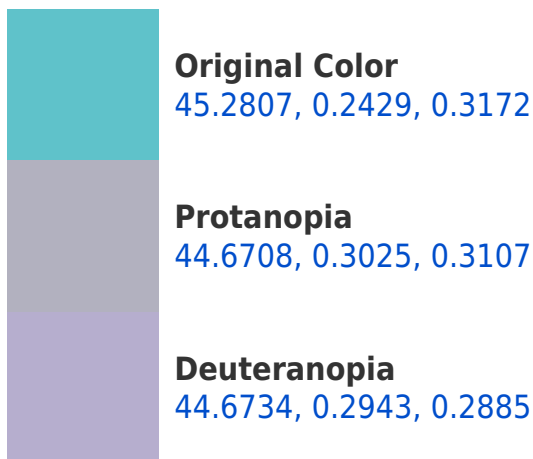


This preview shows how white text looks on a background with the Yxy color 45.2807, 0.2429, 0.3172.

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

45.2848, 0.2399, 0.3060

Trichromacy



Original Color

45.2807, 0.2429, 0.3172

Protanomaly

44.1030, 0.2762, 0.3124

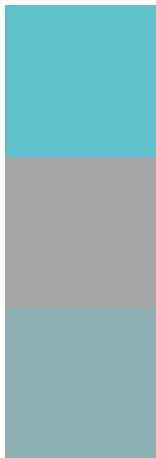
Deuteranomaly

43.9396, 0.2707, 0.2965

Tritanomaly

45.0830, 0.2410, 0.3101

Monochromacy



Original Color

45.2807, 0.2429, 0.3172

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.8405, 0.2813, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2807, 0.2429, 0.3172 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(95, 194, 202)` looks like.

```
.text, #text, p{  
    color:rgb(95, 194, 202)  
}
```

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(95, 194, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 194, 202) }
```

Border

The CSS property to change the border of an element to Yxy 45.2807, 0.2429, 0.3172 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(95, 194, 202) }
```

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

```
.border{ border-color:rgb(95, 194, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 194, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 194, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 194, 202);  
box-shadow:4px 4px 4px 4px rgb(95, 194,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2807, 0.2429, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 194, 202) }
```

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

```
.background{ background-color: rgb(95, 194,  
202) }
```

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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