

Converting Colors

$Y_{xy}(45.0462, 0.2300, 0.3288)$

Have a look what the booklet for
Yxy(45.0462, 0.2300, 0.3288)
contains.

Yxy(45.0462, 0.2300, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.0462, 0.2300, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	2EC6C6
RGB	46, 198, 198
RGB Percent	18%, 78%, 78%
CMY	0.8197, 0.2235, 0.2236
CMYK	0.77, 0.00, 0.00, 0.22
HSL	180°, 62%, 48%
HSV	180°, 77%, 78%
XYZ	31.5104, 45.0462, 60.4452
YIQ	152.5520, -90.5920, -32.2240

Conversions

Conversions Part 2

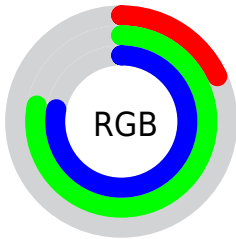
Format	Color
RYB	46, 122, 198
Decimal	3065542
CIELab	72.92, -37.23, -11.06
CIElCh	73, 38.841, 196.542
Yxy	45.0462, 0.2300, 0.3288
Android (android.graphics.Color)	4281255622 (0xFF2EC6C6)
YUV	152.5520, 22.4059, -93.4461
Hunter-Lab	67.1165, -33.6501, -6.4152

Details

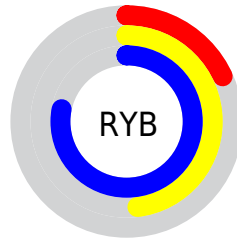
The Yxy color **45.0462, 0.2300, 0.3288** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **14.1563, 0.5768, 0.3298**, and the grayscale version is **31.5784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **21.6585, 0.2241, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **44.6893, 0.2267, 0.3288**, and if you desaturate by 10%, it is **45.6183, 0.2351, 0.3288**.

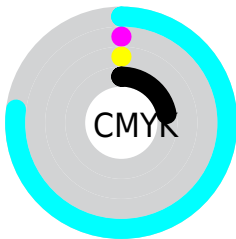
Distribution



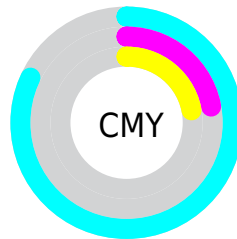
- Red (18%)
- Green (78%)
- Blue (78%)



- Red (18%)
- Yellow (48%)
- Blue (78%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0462, 0.2300, 0.3288 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 45.0462, 0.2300, 0.3288 by changing the saturation by 10% instead.


 45.0462, 0.2300,
0.3288

 45.0462, 0.2300,
0.3288


366.9606, 0.2705,
0.3301


 31.4938, 0.2203,
0.3281


 82.7897, 0.2445,
0.3295


 20.9752, 0.2080,
0.3270

 107.7497, 0.2500,
0.3297


 13.1059, 0.1921,
0.3252


 137.2809, 0.2546,
0.3299

 7.5015, 0.1708,
0.3219

 171.7679, 0.2587,
0.3300

 3.7776, 0.1413,
0.3156

 211.5949, 0.2622,
0.3300

 1.5500, 0.0888,
0.3052

257.1465, 0.2653,

 0.3235, 0.0000,

0.3301

0.2219

308.8069, 0.2680,
0.3301

■ 0.0000, 0.0000,
0.0000

■ 45.0462, 0.2300,
0.3288

■ 45.0462, 0.2300,
0.3288

■ 44.6893, 0.2267,
0.3288

■ 45.6183, 0.2351,
0.3288

■ 44.5083, 0.2251,
0.3288

■ 46.4264, 0.2421,
0.3288

■ 44.4671, 0.2247,
0.3288

■ 47.4944, 0.2510,
0.3288

■ 48.8419, 0.2617,
0.3289

■ 50.4865, 0.2740,
0.3289

■ 52.4446, 0.2876,
0.3289

■ 54.7313, 0.3023,
0.3290

■ 57.3607, 0.3178,
0.3290

■ 60.3459, 0.3336,
0.3291

Harmonies

Analogous

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



45.0462, 0.2674, 0.3841



45.0462, 0.2300, 0.3288



45.0462, 0.2142, 0.2800

Triad

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



45.0462, 0.2300, 0.3288



45.0462, 0.2986, 0.2539



45.0462, 0.4101, 0.4024

Complementary

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



45.0462, 0.2300, 0.3288



14.1563, 0.5768, 0.3298

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.



45.0462, 0.4222, 0.3629



45.0462, 0.2300, 0.3288



45.0462, 0.3546, 0.2814

Square

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



45.0462, 0.2300, 0.3288



45.0462, 0.2509, 0.2424



45.0462, 0.4017, 0.3200



45.0462, 0.3715, 0.4268

Rectangle

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



45.0462, 0.2300, 0.3288



45.0462, 0.2166, 0.2579



45.0462, 0.4017, 0.3200



45.0462, 0.4176, 0.3902

Sweetspot

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



45.0479, 0.2300, 0.3288



90.5220, 0.2786, 0.3289



41.2294, 0.3023, 0.5683



19.1184, 0.2737, 0.3289



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.



45.0479, 0.2300, 0.3288



78.8899, 0.2255, 0.3288



19.2054, 0.1979, 0.2044



12.0676, 0.2984, 0.3290



28.9158, 0.2247, 0.3288



1.3692, 0.2247, 0.3288

Inverse Universe

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



14.1563, 0.5768, 0.3298



21.8267, 0.6292, 0.3299



25.5069, 0.4921, 0.4124



10.6370, 0.3290, 0.3290



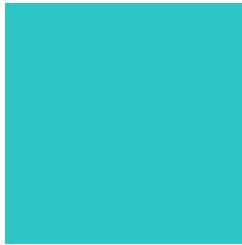
7.8077, 0.6400, 0.3300



0.3697, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 45.0462, 0.2300, 0.3288 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 45.0462, 0.2300, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

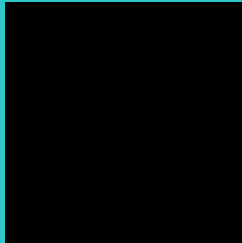
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

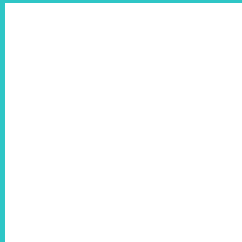
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0462, 0.2300, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 45.0462, 0.2300, 0.3288.

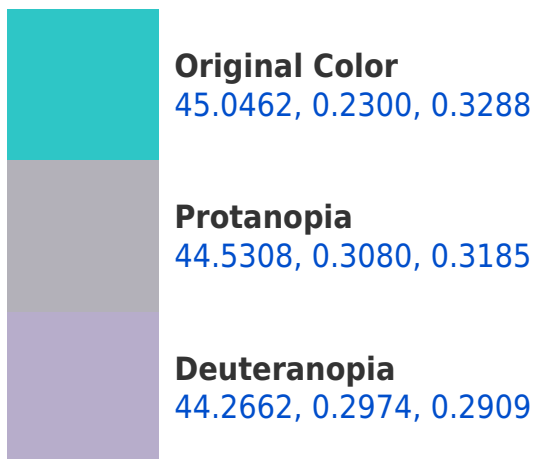


This preview shows how white text looks on a background with the Yxy color 45.0462, 0.2300, 0.3288.

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

45.1032, 0.2256, 0.3055

Trichromacy



Original Color

45.0462, 0.2300, 0.3288



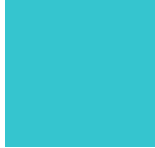
Protanomaly

43.2409, 0.2679, 0.3217



Deuteranomaly

42.6595, 0.2617, 0.3022



Tritanomaly

45.1944, 0.2272, 0.3140

Monochromacy



Original Color

45.0462, 0.2300, 0.3288



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.8179, 0.2672, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0462, 0.2300, 0.3288 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(46, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(46, 198, 198)  
}
```

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(46, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 198, 198) }
```

Border

The CSS property to change the border of an element to Yxy 45.0462, 0.2300, 0.3288 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(46, 198, 198) }
```

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

```
.border{ border-color:rgb(46, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(46, 198,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0462, 0.2300, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 198, 198) }
```

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

```
.background{ background-color: rgb(46, 198,  
198) }
```

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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