

Converting Colors

$Y_{xy}(45.5833, 0.2364, 0.3302)$

Have a look what the booklet for
Yxy(45.5833, 0.2364, 0.3302)
contains.

Yxy(45.6483, 0.2363, 0.3303)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.6483, 0.2363, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	44C6C5
RGB	68, 198, 197
RGB Percent	27%, 78%, 77%
CMY	0.7330, 0.2235, 0.2276
CMYK	0.66, 0.00, 0.01, 0.22
HSL	180°, 53%, 52%
HSV	180°, 66%, 78%
XYZ	32.6573, 45.6483, 59.8970
YIQ	159.0160, -77.1590, -27.8710

Conversions

Conversions Part 2

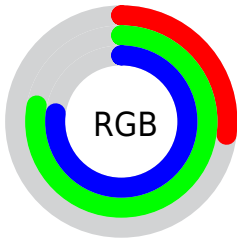
Format	Color
RYB	68, 133, 198
Decimal	4507333
CIELab	73.32, -34.79, -9.88
CIElCh	73, 36.161, 195.856
Yxy	45.6483, 0.2363, 0.3303
Android (android.graphics.Color)	4282697413 (0xFF44C6C5)
YUV	159.0160, 18.7261, -79.8210
Hunter-Lab	67.5635, -31.9571, -5.2678

Details

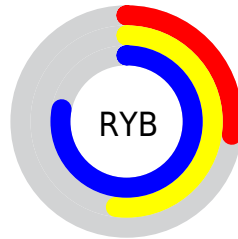
The Yxy color **45.6483, 0.2363, 0.3303** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **16.5806, 0.5238, 0.3285**, and the grayscale version is **34.6276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5813, 0.2494, 0.3299**, and **21.9297, 0.2252, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **45.0463, 0.2310, 0.3305**, and if you desaturate by 10%, it is **46.4942, 0.2435, 0.3301**.

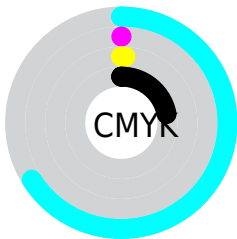
Distribution



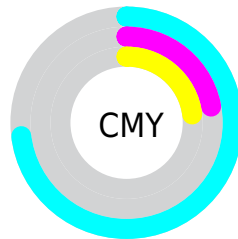
- Red (27%)
- Green (78%)
- Blue (77%)



- Red (27%)
- Yellow (52%)
- Blue (78%)



- Cyan (66%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)





- Cyan (73%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6483, 0.2363, 0.3303 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 45.6483, 0.2363, 0.3303 by changing the saturation by 10% instead.


 45.6483, 0.2363,
0.3303

 45.6483, 0.2363,
0.3303


369.3929, 0.2737,
0.3306


 31.9684, 0.2273,
0.3299


 83.6924, 0.2497,
0.3307


 21.3373, 0.2159,
0.3292


 108.8254, 0.2548,
0.3307

 13.3708, 0.2010,
0.3280


 138.5448, 0.2591,
0.3307

 7.6844, 0.1811,
0.3257

 173.2351, 0.2628,
0.3307

 3.8937, 0.1532,
0.3210

213.2807, 0.2661,
0.3307

 1.6143, 0.1068,
0.3123

259.0659, 0.2689,

 0.3672, 0.0000,

0.3307

0.2509

310.9752, 0.2715,
0.3307

0.0000, 0.0000,
0.0000

45.6483, 0.2363,
0.3303

45.6483, 0.2363,
0.3303

45.0463, 0.2310,
0.3305

46.4942, 0.2435,
0.3301

44.6576, 0.2276,
0.3308

47.6006, 0.2526,
0.3298

44.4528, 0.2258,
0.3310

48.9887, 0.2634,
0.3296

44.3937, 0.2253,
0.3311

50.6758, 0.2758,
0.3294

52.6783, 0.2895,
0.3292

■ 55.0109, 0.3041,
0.3291

■ 57.6878, 0.3195,
0.3289

■ 60.7221, 0.3353,
0.3288

■ 64.1264, 0.3513,
0.3287

Harmonies

Analogous

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



45.6483, 0.2718, 0.3809



45.6483, 0.2363, 0.3303



45.6483, 0.2209, 0.2846

Triad

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



45.6483, 0.2363, 0.3303



45.6483, 0.2986, 0.2583



45.6483, 0.4039, 0.3970

Complementary

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



45.6483, 0.2363, 0.3303



16.5806, 0.5238, 0.3285

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.



45.6483, 0.4142, 0.3603



45.6483, 0.2363, 0.3303



45.6483, 0.3505, 0.2839

Square

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



45.6483, 0.2363, 0.3303



45.6483, 0.2544, 0.2480



45.6483, 0.3943, 0.3201



45.6483, 0.3687, 0.4194

Rectangle

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



45.6483, 0.2363, 0.3303



45.6483, 0.2227, 0.2635



45.6483, 0.3943, 0.3201



45.6483, 0.4105, 0.3857

Sweetspot

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



45.6500, 0.2363, 0.3303



91.5515, 0.2829, 0.3293



42.1177, 0.3039, 0.5382



19.3832, 0.2790, 0.3294



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.



45.6500, 0.2363, 0.3303



79.4099, 0.2292, 0.3307



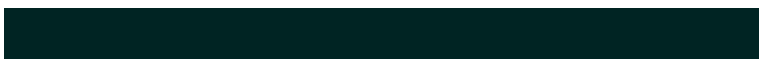
22.6942, 0.2114, 0.2255



12.0661, 0.2985, 0.3291



28.8710, 0.2253, 0.3311



1.3675, 0.2252, 0.3306

Inverse Universe

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



16.5806, 0.5238, 0.3285



24.1338, 0.5892, 0.3289



28.6229, 0.4610, 0.4068



10.6383, 0.3288, 0.3289



7.8105, 0.6391, 0.3294



0.3703, 0.6356, 0.3275

Previews

White Background



This preview shows how the Yxy color 45.6483, 0.2363, 0.3303 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 45.6483, 0.2363, 0.3303 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

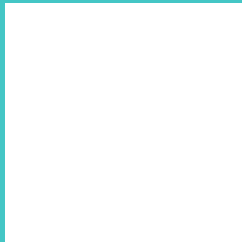
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6483, 0.2363, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 45.6483, 0.2363, 0.3303.

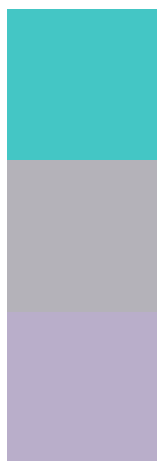


This preview shows how white text looks on a background with the Yxy color 45.6483, 0.2363, 0.3303.

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

45.6483, 0.2363, 0.3303

Protanopia

45.0469, 0.3088, 0.3198

Deuteranopia

44.8507, 0.2998, 0.2936



Tritanopia

45.7698, 0.2312, 0.3058

Trichromacy



Original Color

45.6483, 0.2363, 0.3303



Protanomaly

43.8610, 0.2740, 0.3232



Deuteranomaly

43.7879, 0.2686, 0.3054



Tritanomaly

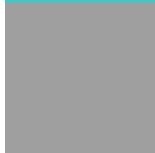
45.8540, 0.2328, 0.3142

Monochromacy



Original Color

45.6483, 0.2363, 0.3303



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.3399, 0.2738, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6483, 0.2363, 0.3303 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(68, 198, 197)` looks like.

```
.text, #text, p{  
    color:rgb(68, 198, 197)  
}
```

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(68, 198, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 198, 197) }
```

Border

The CSS property to change the border of an element to Yxy 45.6483, 0.2363, 0.3303 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(68, 198, 197) }
```

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

```
.border{ border-color:rgb(68, 198, 197) }
```

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

Here you see how a box with a 4 pixel rgb(68, 198, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 198, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 198, 197);  
box-shadow:4px 4px 4px 4px rgb(68, 198,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6483, 0.2363, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 198, 197) }
```

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

```
.background{ background-color: rgb(68, 198,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor