

Converting Colors

$Y_{xy}(45.0069, 0.2889, 0.3229)$

Have a look what the booklet for
Yxy(45.0069, 0.2889, 0.3229)
contains.

Yxy(45.1809, 0.2887, 0.3235)	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(45.1809, 0.2887, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	9EB8BC
RGB	158, 184, 188
RGB Percent	62%, 72%, 74%
CMY	0.3803, 0.2784, 0.2628
CMYK	0.16, 0.02, 0.00, 0.26
HSL	188°, 18%, 68%
HSV	188°, 16%, 74%
XYZ	40.3206, 45.1809, 54.1612
YIQ	176.6820, -16.7800, -4.2680

Conversions

Conversions Part 2

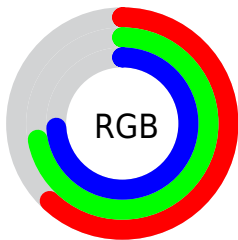
Format	Color
RYB	158, 172, 188
Decimal	10401980
CIELab	73.01, -7.97, -5.00
CIELCh	73, 9.413, 212.089
Yxy	45.1809, 0.2887, 0.3235
Android (android.graphics.Color)	4288592060 (0xFF9EB8BC)
YUV	176.6820, 5.5798, -16.3841
Hunter-Lab	67.2167, -10.5543, -0.7224

Details

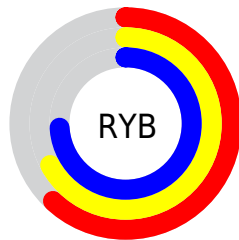
The Yxy color **45.1809, 0.2887, 0.3235** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0040, 0.3415, 0.3344**, and the grayscale version is **43.7707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9980, 0.2932, 0.3247**, and **21.0460, 0.2815, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **42.3903, 0.2744, 0.3197**, and if you desaturate by 10%, it is **48.2852, 0.3037, 0.3270**.

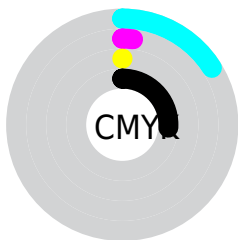
Distribution



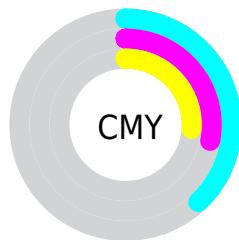
- Red (62%)
- Green (72%)
- Blue (74%)



- Red (62%)
- Yellow (67%)
- Blue (74%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (26%)





- Cyan (38%)
- Magenta (28%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1809, 0.2887, 0.3235 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 45.1809, 0.2887, 0.3235 by changing the saturation by 10% instead.


 45.1809, 0.2887,
0.3235

 45.1809, 0.2887,
0.3235


367.5057, 0.3007,
0.3264

 31.5999, 0.2857,
0.3227


 82.9918, 0.2931,
0.3246

 21.0561, 0.2819,
0.3217


 107.9905, 0.2947,
0.3250

 13.1650, 0.2768,
0.3204


137.5640, 0.2961,
0.3253

 7.5423, 0.2696,
0.3184

172.0965, 0.2973,
0.3256

 3.8035, 0.2590,
0.3153

211.9726, 0.2983,
0.3258

 1.5643, 0.2415,
0.3097

257.5765, 0.2992,

 0.3333, 0.1046,

0.3260

0.2854

309.2928, 0.3000,
0.3262

0.0000, 0.0000,
0.0000

45.1809, 0.2887,
0.3235

45.1809, 0.2887,
0.3235

42.3903, 0.2744,
0.3197

48.2852, 0.3037,
0.3270

39.8944, 0.2610,
0.3156

51.7101, 0.3190,
0.3303

37.6809, 0.2489,
0.3112

55.4691, 0.3344,
0.3332

35.7342, 0.2383,
0.3067

59.5733, 0.3497,
0.3358

34.0371, 0.2294,
0.3021

64.0335, 0.3647,
0.3381

■ 32.5702, 0.2224,
0.2975

■ 65.7348, 0.3665,
0.3406

■ 31.3111, 0.2173,
0.2928

■ 66.8945, 0.3659,
0.3432

■ 30.2315, 0.2140,
0.2882

■ 68.0731, 0.3652,
0.3457

■ 29.8197, 0.2129,
0.2863

■ 69.2708, 0.3645,
0.3483

Harmonies

Analogous

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



45.1809, 0.2962, 0.3357



45.1809, 0.2887, 0.3235



45.1809, 0.2875, 0.3131

Triad

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



45.1809, 0.2887, 0.3235



45.1809, 0.3169, 0.3126



45.1809, 0.3328, 0.3511

Complementary

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



45.1809, 0.2887, 0.3235



39.0040, 0.3415, 0.3344

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.



45.1809, 0.3386, 0.3443



45.1809, 0.2887, 0.3235



45.1809, 0.3293, 0.3222

Square

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



45.1809, 0.2887, 0.3235



45.1809, 0.3035, 0.3072



45.1809, 0.3374, 0.3337



45.1809, 0.3216, 0.3519

Rectangle

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



45.1809, 0.2887, 0.3235



45.1809, 0.2904, 0.3086



45.1809, 0.3374, 0.3337



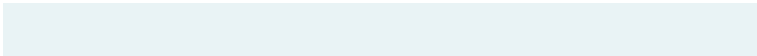
45.1809, 0.3354, 0.3494

Sweetspot

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



45.1828, 0.2887, 0.3235



88.0345, 0.3049, 0.3273



45.8224, 0.3081, 0.3661



18.8416, 0.3039, 0.3271



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.1828, 0.2887, 0.3235



80.1335, 0.2838, 0.3222



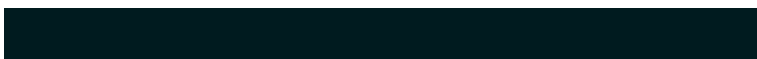
39.4690, 0.2879, 0.3033



10.5872, 0.2985, 0.3259



20.3858, 0.2130, 0.2869



0.8594, 0.2161, 0.2979

Inverse Universe

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



38.6139, 0.3181, 0.2951



66.1058, 0.3194, 0.2878



44.4058, 0.3386, 0.3535



9.6739, 0.3157, 0.3093



9.0876, 0.3571, 0.1741



0.3621, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 45.1809, 0.2887, 0.3235 looks on a white background.

Color Contrast Check

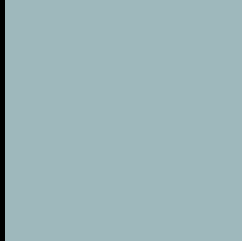
Large Text (above 18pt) WCAG AA × Fail

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 45.1809, 0.2887, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

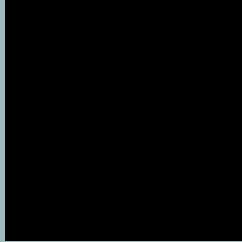
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

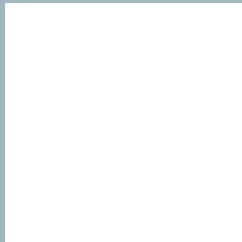
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1809, 0.2887, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 45.1809, 0.2887, 0.3235.



This preview shows how white text looks on a background with the Yxy color 45.1809, 0.2887, 0.3235.

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

45.1809, 0.2887, 0.3235

Protanopia

45.0048, 0.3096, 0.3211

Deuteranopia

45.0662, 0.3145, 0.3087



Tritanopia

45.3718, 0.2838, 0.3102

Trichromacy



Original Color

45.1809, 0.2887, 0.3235

Protanomaly

44.9160, 0.3020, 0.3223

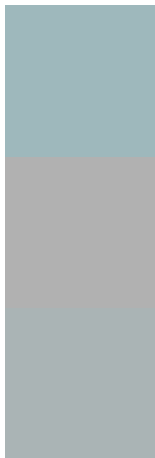
Deuteranomaly

45.0986, 0.3048, 0.3146

Tritanomaly

45.1329, 0.2851, 0.3141

Monochromacy



Original Color

45.1809, 0.2887, 0.3235

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5248, 0.3035, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1809, 0.2887, 0.3235 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(158, 184, 188)` looks like.

```
.text, #text, p{  
    color:rgb(158, 184, 188)  
}
```

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(158, 184, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 184, 188) }
```

Border

The CSS property to change the border of an element to Yxy 45.1809, 0.2887, 0.3235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

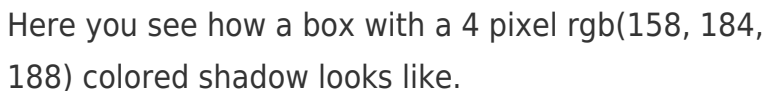
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 184, 188) }
```

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

```
.border{ border-color:rgb(158, 184, 188) }
```

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



Here you see how a box with a 4 pixel rgb(158, 184, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 184, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 184, 188); box-shadow:4px 4px 4px 4px rgb(158, 184, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1809, 0.2887, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 184, 188) }
```

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

```
.background{ background-color: rgb(158,  
184, 188) }
```

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