

Converting Colors

$Y_{xy}(45.1520, 0.2889, 0.3384)$

Have a look what the booklet for
Yxy(45.1520, 0.2889, 0.3384)
contains.

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Color

Yxy(45.3200, 0.2884, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	96BBB4
RGB	150, 187, 180
RGB Percent	59%, 73%, 71%
CMY	0.4117, 0.2667, 0.2941
CMYK	0.20, 0.00, 0.04, 0.27
HSL	169°, 21%, 66%
HSV	169°, 20%, 73%
XYZ	38.5896, 45.3200, 49.8962
YIQ	175.1390, -19.8050, -10.0210

Conversions

Conversions Part 2

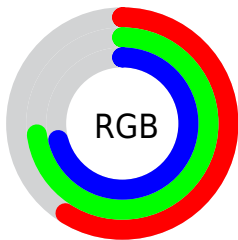
Format	Color
RYB	150, 170, 187
Decimal	9878452
CIELab	73.10, -13.82, -0.57
CIELCh	73, 13.835, 182.357
Yxy	45.3200, 0.2884, 0.3387
Android (android.graphics.Color)	4288068532 (0xFF96BBB4)
YUV	175.1390, 2.3965, -22.0469
Hunter-Lab	67.3201, -15.4896, 3.1797

Details

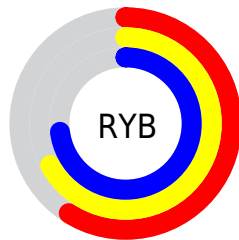
The Yxy color `45.3200, 0.2884, 0.3387` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `34.8197, 0.3441, 0.3196`, and the grayscale version is `42.9436, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.1364, 0.2929, 0.3365`, and `21.1792, 0.2813, 0.3426` is the 20% darker color. If you saturate the color by 10%, you get `43.5445, 0.2772, 0.3443`, and if you desaturate by 10%, it is `47.3861, 0.3004, 0.3336`.

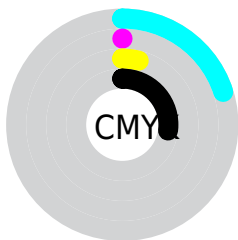
Distribution



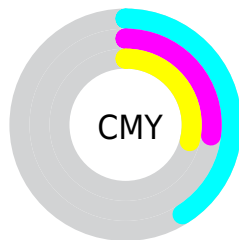
- Red (59%)
- Green (73%)
- Blue (71%)



- Red (59%)
- Yellow (67%)
- Blue (73%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)





- Cyan (41%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3200, 0.2884, 0.3387 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 45.3200, 0.2884, 0.3387 by changing the saturation by 10% instead.


 45.3200, 0.2884,
0.3387

 45.3200, 0.2884,
0.3387


368.0680, 0.3006,
0.3339

 31.7096, 0.2853,
0.3399


 83.2004, 0.2928,
0.3369

 21.1397, 0.2814,
0.3414


 108.2391, 0.2945,
0.3363

 13.2262, 0.2762,
0.3435


137.8561, 0.2959,
0.3357

 7.5845, 0.2688,
0.3464

172.4357, 0.2971,
0.3353

 3.8302, 0.2578,
0.3506

212.3623, 0.2982,
0.3348

 1.5791, 0.2395,
0.3577

258.0203, 0.2991,

 0.3434, 0.0000,

0.3345

0.4536

309.7940, 0.2999,
0.3342

0.0000, 0.0000,
0.0000

45.3200, 0.2884,
0.3387

45.3200, 0.2884,
0.3387

43.5445, 0.2772,
0.3443

47.3861, 0.3004,
0.3336

42.0404, 0.2672,
0.3502

49.7496, 0.3130,
0.3289

40.7952, 0.2585,
0.3565

52.4242, 0.3259,
0.3247

39.7930, 0.2515,
0.3631

55.4211, 0.3389,
0.3209

39.0162, 0.2463,
0.3699

58.7508, 0.3518,
0.3176

■ 38.4446, 0.2430,
0.3767

■ 61.0277, 0.3584,
0.3144

■ 38.0547, 0.2416,
0.3835

■ 61.1964, 0.3555,
0.3108

■ 37.8004, 0.2418,
0.3902

■ 61.3689, 0.3525,
0.3071

■ 37.7951, 0.2418,
0.3904

■ 61.5452, 0.3496,
0.3036

Harmonies

Analogous

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



45.3200, 0.3058, 0.3546



45.3200, 0.2884, 0.3387



45.3200, 0.2776, 0.3205

Triad

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



45.3200, 0.2884, 0.3387



45.3200, 0.2993, 0.2973



45.3200, 0.3508, 0.3512

Complementary

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



45.3200, 0.2884, 0.3387



34.8197, 0.3441, 0.3196

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.



45.3200, 0.3491, 0.3357



45.3200, 0.2884, 0.3387



45.3200, 0.3189, 0.3053

Square

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



45.3200, 0.2884, 0.3387



45.3200, 0.2837, 0.2972



45.3200, 0.3373, 0.3191



45.3200, 0.3420, 0.3614

Rectangle

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



45.3200, 0.2884, 0.3387



45.3200, 0.2754, 0.3098



45.3200, 0.3373, 0.3191



45.3200, 0.3515, 0.3464

Sweetspot

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



45.3219, 0.2884, 0.3387



86.3622, 0.3050, 0.3318



44.9531, 0.3163, 0.3816



18.9587, 0.3042, 0.3321



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.



45.3219, 0.2884, 0.3387



79.6410, 0.2831, 0.3412



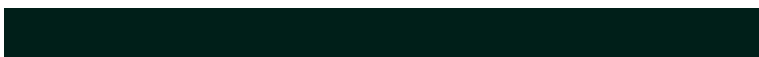
41.0879, 0.2826, 0.3133



10.7778, 0.3009, 0.3334



26.0516, 0.2416, 0.3896



1.0286, 0.2371, 0.3734

Inverse Universe

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



34.8197, 0.3441, 0.3196



57.1931, 0.3535, 0.3172



38.2977, 0.3484, 0.3442



9.5651, 0.3259, 0.3247



7.3725, 0.6078, 0.3122



0.2978, 0.5438, 0.2769

Previews

White Background



This preview shows how the Yxy color 45.3200, 0.2884, 0.3387 looks on a white background.

Color Contrast Check

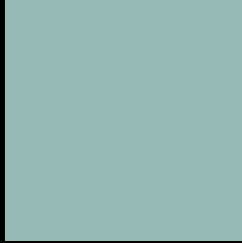
Large Text (above 18pt) WCAG AA × Fail

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 45.3200, 0.2884, 0.3387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

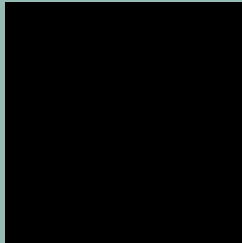
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

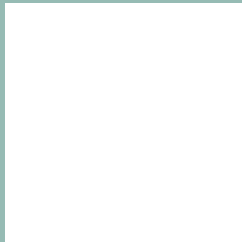
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3200, 0.2884, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 45.3200, 0.2884, 0.3387.



This preview shows how white text looks on a background with the Yxy color 45.3200, 0.2884, 0.3387.

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

45.3200, 0.2884, 0.3387

Protanopia

45.0032, 0.3195, 0.3330

Deuteranopia

44.9081, 0.3240, 0.3164



Tritanopia

45.2745, 0.2780, 0.3087

Trichromacy



Original Color

45.3200, 0.2884, 0.3387

Protanomaly

44.8800, 0.3074, 0.3344

Deuteranomaly

44.8019, 0.3104, 0.3237

Tritanomaly

45.2760, 0.2821, 0.3193

Monochromacy



Original Color

45.3200, 0.2884, 0.3387

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5215, 0.3032, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3200, 0.2884, 0.3387 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(150, 187, 180)` looks like.

```
.text, #text, p{  
    color:rgb(150, 187, 180)  
}
```

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(150, 187, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 187, 180) }
```

Border

The CSS property to change the border of an element to Yxy 45.3200, 0.2884, 0.3387 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(150, 187, 180) }
```

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

```
.border{ border-color:rgb(150, 187, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 187, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 187, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 187, 180);  
box-shadow:4px 4px 4px 4px rgb(150, 187,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3200, 0.2884, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 187, 180) }
```

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

```
.background{ background-color: rgb(150,  
187, 180) }
```

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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