

Converting Colors

$Y_{xy}(45.6287, 0.2822, 0.3178)$

Have a look what the booklet for
Yxy(45.6287, 0.2822, 0.3178)
contains.

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Color

Yxy(45.4630, 0.2815, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	9AB9C2
RGB	154, 185, 194
RGB Percent	60%, 73%, 76%
CMY	0.3961, 0.2745, 0.2392
CMYK	0.21, 0.05, 0.00, 0.24
HSL	193°, 25%, 68%
HSV	193°, 21%, 76%
XYZ	40.4100, 45.4630, 57.6793
YIQ	176.7570, -21.3650, -3.7730

Conversions

Conversions Part 2

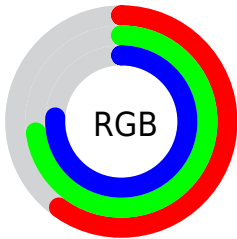
Format	Color
RYB	154, 171, 194
Decimal	10140098
CIELab	73.20, -8.49, -8.04
CIELCh	73, 11.696, 223.430
Yxy	45.4630, 0.2815, 0.3167
Android (android.graphics.Color)	4288330178 (0xFF9AB9C2)
YUV	176.7570, 8.5008, -19.9579
Hunter-Lab	67.4263, -11.0172, -3.5208

Details

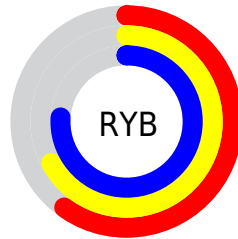
The Yxy color **45.4630, 0.2815, 0.3167** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9848, 0.3511, 0.3410**, and the grayscale version is **43.7947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3680, 0.2874, 0.3195**, and **21.2208, 0.2731, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **41.9178, 0.2670, 0.3099**, and if you desaturate by 10%, it is **49.3754, 0.2965, 0.3230**.

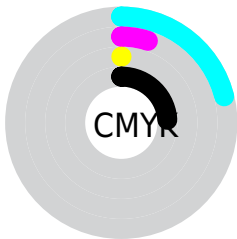
Distribution



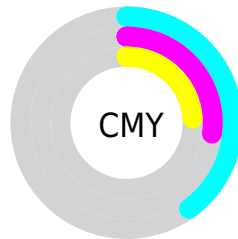
- Red (60%)
- Green (73%)
- Blue (76%)



- Red (60%)
- Yellow (67%)
- Blue (76%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)



- Cyan (40%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4630, 0.2815, 0.3167 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 45.4630, 0.2815, 0.3167 by changing the saturation by 10% instead.

■ 45.4630, 0.2815,
0.3167

■ 45.4630, 0.2815,
0.3167

368.6455, 0.2970,
0.3230

■ 31.8223, 0.2777,
0.3151

■ 83.4148, 0.2871,
0.3190

■ 21.2258, 0.2727,
0.3129

■ 108.4946, 0.2892,
0.3199

■ 13.2891, 0.2662,
0.3100

138.1562, 0.2910,
0.3206

■ 7.6280, 0.2572,
0.3059

172.7841, 0.2926,
0.3213

■ 3.8578, 0.2438,
0.2994

212.7625, 0.2939,
0.3218

■ 1.5943, 0.2222,
0.2883

258.4760, 0.2951,

■ 0.3538, 0.0901,

0.3223

0.2474

310.3088, 0.2961,
0.3227

0.0000, 0.0000,
0.0000

45.4630, 0.2815,
0.3167

45.4630, 0.2815,
0.3167

41.9178, 0.2670,
0.3099

49.3754, 0.2965,
0.3230

38.7190, 0.2534,
0.3026

53.6636, 0.3118,
0.3287

35.8519, 0.2409,
0.2950

58.3429, 0.3270,
0.3338

33.2986, 0.2299,
0.2870

63.4260, 0.3420,
0.3384

31.0391, 0.2206,
0.2788

68.9250, 0.3566,
0.3425

■ 29.0506, 0.2132,
0.2705

■ 71.8164, 0.3588,
0.3468

■ 27.3062, 0.2078,
0.2623

■ 74.0125, 0.3578,
0.3512

■ 25.8443, 0.2041,
0.2547

■ 76.2677, 0.3568,
0.3555

■ 78.5825, 0.3558,
0.3598

Harmonies

Analogous

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



45.4630, 0.2880, 0.3316



45.4630, 0.2815, 0.3167



45.4630, 0.2831, 0.3057

Triad

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



45.4630, 0.2815, 0.3167



45.4630, 0.3240, 0.3128



45.4630, 0.3329, 0.3578

Complementary

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



45.4630, 0.2815, 0.3167



39.9848, 0.3511, 0.3410

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.



45.4630, 0.3431, 0.3517



45.4630, 0.2815, 0.3167



45.4630, 0.3380, 0.3258

Square

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



45.4630, 0.2815, 0.3167



45.4630, 0.3073, 0.3039



45.4630, 0.3450, 0.3399



45.4630, 0.3174, 0.3558

Rectangle

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



45.4630, 0.2815, 0.3167



45.4630, 0.2886, 0.3020



45.4630, 0.3450, 0.3399



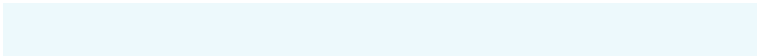
45.4630, 0.3371, 0.3566

Sweetspot

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



45.4649, 0.2815, 0.3167



92.8949, 0.3034, 0.3256



48.0809, 0.3039, 0.3728



20.2304, 0.3024, 0.3252



0.0000, 0.0000, 0.0000



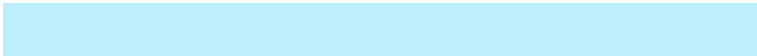
21.4041, 0.3127, 0.3290

Same Dimension

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



45.4649, 0.2815, 0.3167



79.2294, 0.2745, 0.3135



37.7897, 0.2797, 0.2890



11.0323, 0.2984, 0.3237



17.1203, 0.2044, 0.2557



0.8365, 0.2094, 0.2739

Inverse Universe

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



38.0781, 0.3233, 0.2892



63.5095, 0.3262, 0.2798



47.5268, 0.3461, 0.3660



10.2076, 0.3171, 0.3113



9.0105, 0.3866, 0.1903



0.3991, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 45.4630, 0.2815, 0.3167 looks on a white background.

Color Contrast Check

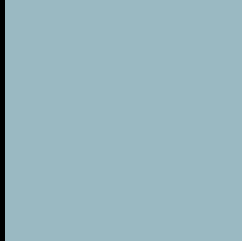
Large Text (above 18pt) WCAG AA × Fail

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 45.4630, 0.2815, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

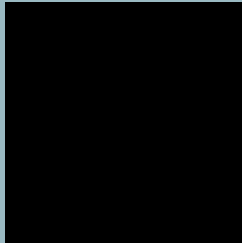
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

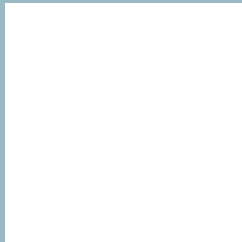
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4630, 0.2815, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 45.4630, 0.2815, 0.3167.



This preview shows how white text looks on a background with the Yxy color 45.4630, 0.2815, 0.3167.

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

45.4630, 0.2815, 0.3167

Protanopia

45.1422, 0.3041, 0.3133

Deuteranopia

45.0764, 0.3079, 0.3012



Tritanopia

45.3731, 0.2787, 0.3087

Trichromacy



Original Color

45.4630, 0.2815, 0.3167

Protanomaly

45.3554, 0.2959, 0.3157

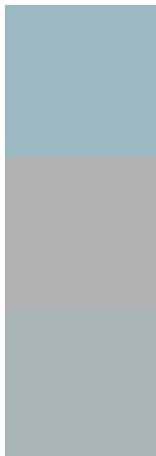
Deuteranomaly

45.0110, 0.2977, 0.3068

Tritanomaly

45.2808, 0.2801, 0.3114

Monochromacy



Original Color

45.4630, 0.2815, 0.3167

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4964, 0.3011, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4630, 0.2815, 0.3167 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(154, 185, 194)` looks like.

```
.text, #text, p{  
    color:rgb(154, 185, 194)  
}
```

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(154, 185, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 185, 194) }
```

Border

The CSS property to change the border of an element to Yxy 45.4630, 0.2815, 0.3167 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(154, 185, 194) }
```

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

```
.border{ border-color:rgb(154, 185, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 185, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 185, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 185, 194);  
box-shadow:4px 4px 4px 4px rgb(154, 185,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4630, 0.2815, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 185, 194) }
```

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

```
.background{ background-color: rgb(154,  
185, 194) }
```

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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