

Converting Colors

$Y_{xy}(45.1048, 0.2803, 0.3065)$

Have a look what the booklet for
Yxy(45.1048, 0.2803, 0.3065)
contains.

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Color

Yxy(45.2596, 0.2809, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	9EB7C7
RGB	158, 183, 199
RGB Percent	62%, 72%, 78%
CMY	0.3803, 0.2824, 0.2197
CMYK	0.21, 0.08, 0.00, 0.22
HSL	203°, 27%, 70%
HSV	203°, 21%, 78%
XYZ	41.3445, 45.2596, 60.5816
YIQ	177.3490, -20.0360, -0.3240

Conversions

Conversions Part 2

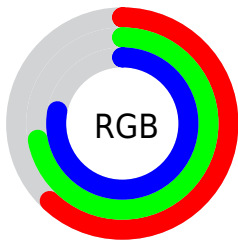
Format	Color
R _Y B	158, 174, 199
Decimal	10401735
CIE Lab	73.06, -5.04, -10.94
CIE LCh	73, 12.047, 245.249
Yxy	45.2596, 0.2809, 0.3075
Android (android.graphics.Color)	4288591815 (0xFF9EB7C7)
YUV	177.3490, 10.6739, -16.9691
Hunter-Lab	67.2753, -8.0333, -6.2982

Details

The Yxy color **45.2596, 0.2809, 0.3075** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.8855, 0.3494, 0.3496**, and the grayscale version is **44.1125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0991, 0.2870, 0.3123**, and **21.0738, 0.2721, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **40.2882, 0.2653, 0.2954**, and if you desaturate by 10%, it is **50.7382, 0.2965, 0.3185**.

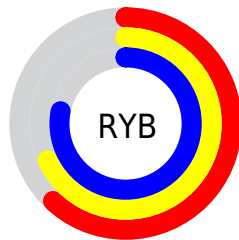
Distribution



Red (62%)

Green (72%)

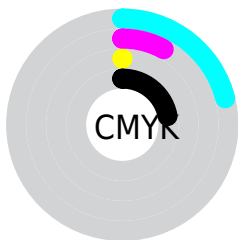
Blue (78%)



Red (62%)

Yellow (68%)

Blue (78%)

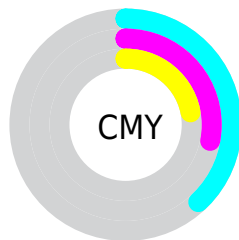


Cyan (21%)

Magenta (8%)

Yellow (0%)

Black (22%)



Cyan (38%)

Magenta (28%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2596, 0.2809, 0.3075 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 45.2596, 0.2809, 0.3075 by changing the saturation by 10% instead.

■ 45.2596, 0.2809,
0.3075

■ 45.2596, 0.2809,
0.3075

367.8239, 0.2967,
0.3184

■ 31.6620, 0.2770,
0.3047

■ 83.1098, 0.2866,
0.3115

■ 21.1034, 0.2720,
0.3012

■ 108.1312, 0.2888,
0.3130

■ 13.1996, 0.2653,
0.2964

137.7293, 0.2906,
0.3142

■ 7.5662, 0.2561,
0.2897

172.2884, 0.2922,
0.3153

■ 3.8186, 0.2425,
0.2795

212.1931, 0.2936,
0.3162

■ 1.5726, 0.2206,
0.2625

257.8276, 0.2947,

■ 0.3390, 0.1184,

0.3171

0.2015

309.5764, 0.2958,
0.3178

0.0000, 0.0000,
0.0000

45.2596, 0.2809,
0.3075

45.2596, 0.2809,
0.3075

40.2882, 0.2653,
0.2954

50.7382, 0.2965,
0.3185

35.7999, 0.2502,
0.2824

56.7359, 0.3118,
0.3285

31.7767, 0.2357,
0.2685

63.2710, 0.3267,
0.3373

28.1970, 0.2224,
0.2539

70.3590, 0.3410,
0.3452

25.0371, 0.2107,
0.2389

77.5346, 0.3527,
0.3523

■ 22.2701, 0.2009,
0.2237

■ 81.7512, 0.3511,
0.3600

■ 19.8648, 0.1931,
0.2088

■ 86.1601, 0.3495,
0.3675

■ 17.8784, 0.1875,
0.1951

■ 90.7640, 0.3479,
0.3749

■ 95.5651, 0.3464,
0.3821

Harmonies

Analogous

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



45.2596, 0.2816, 0.3202



45.2596, 0.2809, 0.3075



45.2596, 0.2885, 0.3009

Triad

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



45.2596, 0.2809, 0.3075



45.2596, 0.3354, 0.3218



45.2596, 0.3222, 0.3581

Complementary

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



45.2596, 0.2809, 0.3075



44.8855, 0.3494, 0.3496

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.



45.2596, 0.3371, 0.3577



45.2596, 0.2809, 0.3075



45.2596, 0.3449, 0.3364

Square

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



45.2596, 0.2809, 0.3075



45.2596, 0.3198, 0.3092



45.2596, 0.3455, 0.3496



45.2596, 0.3051, 0.3501

Rectangle

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



45.2596, 0.2809, 0.3075



45.2596, 0.2973, 0.3006



45.2596, 0.3455, 0.3496



45.2596, 0.3277, 0.3589

Sweetspot

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



45.2614, 0.2809, 0.3075



93.4621, 0.3034, 0.3231



51.1579, 0.2992, 0.3632



19.8569, 0.3024, 0.3225



0.0000, 0.0000, 0.0000



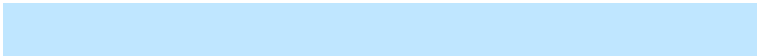
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2614, 0.2809, 0.3075



74.9898, 0.2734, 0.3019



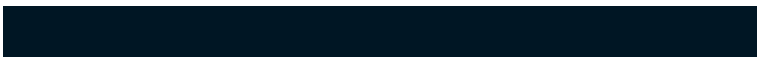
37.5181, 0.2791, 0.2794



11.3457, 0.2984, 0.3198



11.6721, 0.1881, 0.1971



0.6905, 0.1966, 0.2276

Inverse Universe

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



40.0205, 0.3295, 0.2975



64.3507, 0.3343, 0.2898



53.2863, 0.3445, 0.3742



10.7438, 0.3196, 0.3150



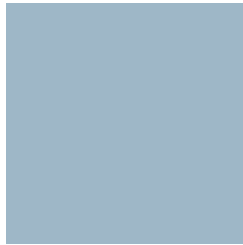
8.7183, 0.4486, 0.2245



0.4267, 0.4151, 0.2061

Previews

White Background



This preview shows how the Yxy color 45.2596, 0.2809, 0.3075 looks on a white background.

Color Contrast Check

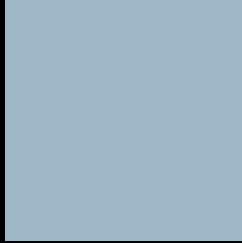
Large Text (above 18pt) WCAG AA × Fail

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 45.2596, 0.2809, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

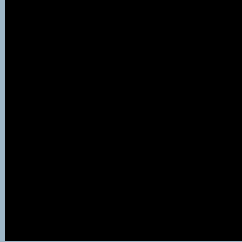
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

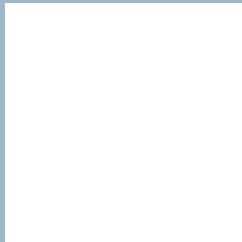
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2596, 0.2809, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 45.2596, 0.2809, 0.3075.



This preview shows how white text looks on a background with the Yxy color 45.2596, 0.2809, 0.3075.

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

45.2596, 0.2809, 0.3075

Protanopia

45.1734, 0.2978, 0.3056

Deuteranopia

44.9283, 0.3014, 0.2949



Tritanopia

45.2133, 0.2816, 0.3088

Trichromacy



Original Color

45.2596, 0.2809, 0.3075

Protanomaly

45.2198, 0.2914, 0.3066

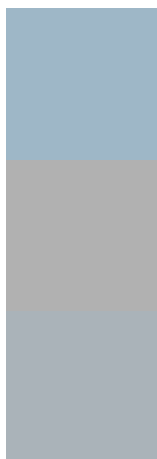
Deuteranomaly

44.8445, 0.2939, 0.2992

Tritanomaly

45.2133, 0.2816, 0.3088

Monochromacy



Original Color

45.2596, 0.2809, 0.3075

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.2890, 0.3004, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2596, 0.2809, 0.3075 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, 183, 199)` looks like.

```
.text, #text, p{  
    color:rgb(158, 183, 199)  
}
```

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, 183, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 183, 199) }
```

Border

The CSS property to change the border of an element to Yxy 45.2596, 0.2809, 0.3075 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, 183, 199) }
```

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

```
.border{ border-color:rgb(158, 183, 199) }
```

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

Here you see how a box with a 4 pixel rgb(158, 183, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 183, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 183, 199);  
box-shadow:4px 4px 4px 4px rgb(158, 183,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2596, 0.2809, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 183, 199) }
```

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

```
.background{ background-color: rgb(158,  
183, 199) }
```

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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