

Converting Colors

$Y_{xy}(48.4045, 0.2959, 0.3271)$

Have a look what the booklet for
Yxy(48.4045, 0.2959, 0.3271)
contains.

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Color

Yxy(48.5479, 0.2960, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	A9BDBE
RGB	169, 189, 190
RGB Percent	66%, 74%, 75%
CMY	0.3370, 0.2589, 0.2549
CMYK	0.11, 0.01, 0.00, 0.25
HSL	183°, 14%, 70%
HSV	183°, 11%, 75%
XYZ	43.8650, 48.5479, 55.7797
YIQ	183.1340, -12.2410, -3.9290

Conversions

Conversions Part 2

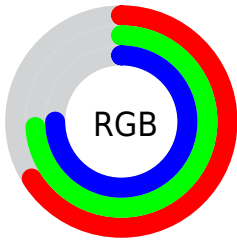
Format	Color
RYB	169, 179, 190
Decimal	11124158
CIELab	75.17, -6.58, -2.84
CIELCh	75, 7.165, 203.369
Yxy	48.5479, 0.2960, 0.3276
Android (android.graphics.Color)	4289314238 (0xFFA9BDBE)
YUV	183.1340, 3.3849, -12.3955
Hunter-Lab	69.6763, -9.5582, 1.3085

Details

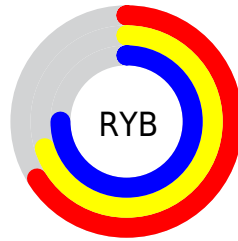
The Yxy color **48.5479, 0.2960, 0.3276** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.5987, 0.3319, 0.3304**, and the grayscale version is **47.4241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8059, 0.2989, 0.3279**, and **23.1964, 0.2913, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **46.1993, 0.2816, 0.3262**, and if you desaturate by 10%, it is **51.2086, 0.3111, 0.3289**.

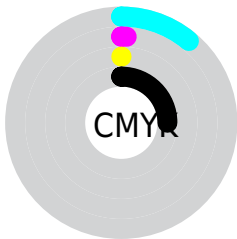
Distribution



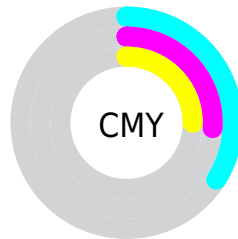
- Red (66%)
- Green (74%)
- Blue (75%)



- Red (66%)
- Yellow (70%)
- Blue (75%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)




- Cyan (34%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5479, 0.2960, 0.3276 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 48.5479, 0.2960, 0.3276 by changing the saturation by 10% instead.

 48.5479, 0.2960,
0.3276

 48.5479, 0.2960,
0.3276


380.9598, 0.3043,
0.3284

 34.2610, 0.2940,
0.3274


 88.0196, 0.2990,
0.3279

 23.0942, 0.2914,
0.3271


 113.9732, 0.3001,
0.3280

 14.6631, 0.2879,
0.3268

144.5845, 0.3011,
0.3281

 8.5833, 0.2831,
0.3262

180.2378, 0.3019,
0.3281

 4.4704, 0.2761,
0.3254

221.3176, 0.3026,
0.3282

 1.9400, 0.2647,
0.3238

268.2083, 0.3032,

 0.5723, 0.2157,

0.3283

0.3220

321.2942, 0.3038,
0.3283

0.0000, 0.0000,
0.0000

48.5479, 0.2960,
0.3276

48.5479, 0.2960,
0.3276

46.1993, 0.2816,
0.3262

51.2086, 0.3111,
0.3289

44.1435, 0.2683,
0.3248

54.1876, 0.3267,
0.3300

42.3685, 0.2562,
0.3232

57.4986, 0.3425,
0.3311

40.8592, 0.2458,
0.3216

61.1526, 0.3582,
0.3320

39.5987, 0.2370,
0.3200

63.3990, 0.3663,
0.3329

■ 38.5686, 0.2302,
0.3183

■ 63.8130, 0.3660,
0.3339

■ 37.7475, 0.2253,
0.3167

■ 64.2296, 0.3658,
0.3349

■ 37.1104, 0.2221,
0.3151

■ 64.6488, 0.3655,
0.3358

■ 36.6511, 0.2205,
0.3137

■ 65.0705, 0.3653,
0.3368

Harmonies

Analogous

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



48.5479, 0.3028, 0.3365



48.5479, 0.2960, 0.3276



48.5479, 0.2936, 0.3192

Triad

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



48.5479, 0.2960, 0.3276



48.5479, 0.3129, 0.3152



48.5479, 0.3294, 0.3444

Complementary

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



48.5479, 0.2960, 0.3276



42.5987, 0.3319, 0.3304

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.



48.5479, 0.3322, 0.3384



48.5479, 0.2960, 0.3276



48.5479, 0.3226, 0.3216

Square

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



48.5479, 0.2960, 0.3276



48.5479, 0.3033, 0.3123



48.5479, 0.3297, 0.3301



48.5479, 0.3220, 0.3463

Rectangle

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



48.5479, 0.2960, 0.3276



48.5479, 0.2948, 0.3151



48.5479, 0.3297, 0.3301



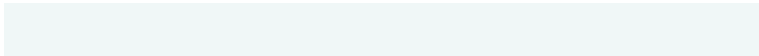
48.5479, 0.3309, 0.3427

Sweetspot

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



48.5499, 0.2960, 0.3276



91.7636, 0.3080, 0.3286



48.1674, 0.3109, 0.3563



20.0618, 0.3068, 0.3285



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



48.5499, 0.2960, 0.3276



86.9896, 0.2928, 0.3273



44.3365, 0.2958, 0.3141



10.7274, 0.2985, 0.3278



24.4020, 0.2205, 0.3139



0.9806, 0.2216, 0.3177

Inverse Universe

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



43.0223, 0.3148, 0.3035



75.1780, 0.3153, 0.2984



46.5537, 0.3304, 0.3435



9.6880, 0.3145, 0.3075



9.4931, 0.3334, 0.1610



0.3744, 0.3301, 0.1592

Previews

White Background



This preview shows how the Yxy color 48.5479, 0.2960, 0.3276 looks on a white background.

Color Contrast Check

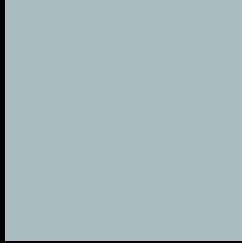
Large Text (above 18pt) WCAG AA × Fail

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 48.5479, 0.2960, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

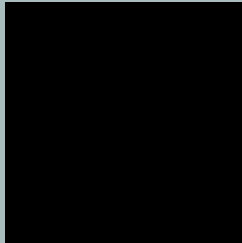
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

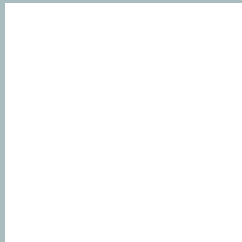
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5479, 0.2960, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 48.5479, 0.2960, 0.3276.



This preview shows how white text looks on a background with the Yxy color 48.5479, 0.2960, 0.3276.

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

48.5479, 0.2960, 0.3276

Protanopia

48.4336, 0.3129, 0.3252

Deuteranopia

48.1881, 0.3195, 0.3130



Tritanopia

48.4628, 0.2889, 0.3096

Trichromacy



Original Color

48.5479, 0.2960, 0.3276

Protanomaly

48.4519, 0.3062, 0.3264

Deuteranomaly

48.3199, 0.3107, 0.3189

Tritanomaly

48.5897, 0.2910, 0.3159

Monochromacy



Original Color

48.5479, 0.2960, 0.3276

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.7081, 0.3061, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5479, 0.2960, 0.3276 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(169, 189, 190)` looks like.

```
.text, #text, p{  
    color:rgb(169, 189, 190)  
}
```

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(169, 189, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 189, 190) }
```

Border

The CSS property to change the border of an element to Yxy 48.5479, 0.2960, 0.3276 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(169, 189, 190) }
```

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

```
.border{ border-color:rgb(169, 189, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 189, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 189, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 189, 190);  
box-shadow:4px 4px 4px 4px rgb(169, 189,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5479, 0.2960, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 189, 190) }
```

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

```
.background{ background-color: rgb(169,  
189, 190) }
```

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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