

Converting Colors

$Y_{xy}(46.6528, 0.2858, 0.3158)$

Have a look what the booklet for
Yxy(46.6528, 0.2858, 0.3158)
contains.

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Color

Yxy(46.6804, 0.2854, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	A1BAC4
RGB	161, 186, 196
RGB Percent	63%, 73%, 77%
CMY	0.3688, 0.2705, 0.2313
CMYK	0.18, 0.05, 0.00, 0.23
HSL	197°, 23%, 70%
HSV	197°, 18%, 77%
XYZ	42.2135, 46.6804, 59.0161
YIQ	179.6650, -18.1100, -2.1900

Conversions

Conversions Part 2

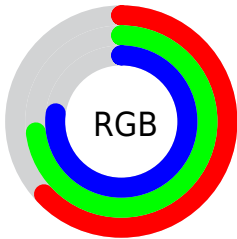
Format	Color
RYB	161, 176, 196
Decimal	10599108
CIELab	73.98, -6.38, -7.92
CIELCh	74, 10.173, 231.134
Yxy	46.6804, 0.2854, 0.3156
Android (android.graphics.Color)	4288789188 (0xFFA1BAC4)
YUV	179.6650, 8.0532, -16.3692
Hunter-Lab	68.3231, -9.2788, -3.3874

Details

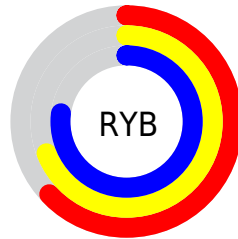
The Yxy color **46.6804, 0.2854, 0.3156** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.4132, 0.3447, 0.3420**, and the grayscale version is **45.4129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1950, 0.2900, 0.3176**, and **21.9793, 0.2782, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **42.4950, 0.2704, 0.3071**, and if you desaturate by 10%, it is **51.2809, 0.3007, 0.3234**.

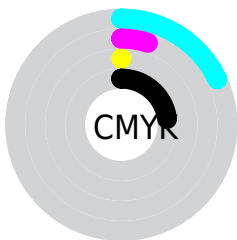
Distribution



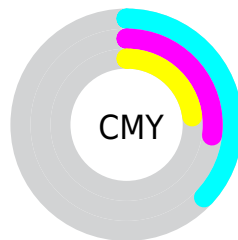
- Red (63%)
- Green (73%)
- Blue (77%)



- Red (63%)
- Yellow (69%)
- Blue (77%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)



- Cyan (37%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6804, 0.2854, 0.3156 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 46.6804, 0.2854, 0.3156 by changing the saturation by 10% instead.


 46.6804, 0.2854,
0.3156

 46.6804, 0.2854,
0.3156

373.5374, 0.2989,
0.3224

 32.7831, 0.2821,
0.3139


 85.2364, 0.2903,
0.3181

 21.9603, 0.2778,
0.3116


 110.6638, 0.2921,
0.3190

 13.8277, 0.2721,
0.3086

140.7034, 0.2937,
0.3198

 8.0010, 0.2643,
0.3043

175.7395, 0.2951,
0.3205

 4.0956, 0.2528,
0.2978

216.1566, 0.2962,
0.3211

 1.7272, 0.2342,
0.2868

262.3390, 0.2972,

 0.4412, 0.1514,

0.3216

0.2535

314.6711, 0.2981,
0.3220

0.0000, 0.0000,
0.0000

46.6804, 0.2854,
0.3156

46.6804, 0.2854,
0.3156

42.4950, 0.2704,
0.3071

51.2809, 0.3007,
0.3234

38.7031, 0.2560,
0.2979

56.3056, 0.3159,
0.3304

35.2895, 0.2425,
0.2882

61.7706, 0.3310,
0.3367

32.2357, 0.2303,
0.2779

67.6890, 0.3456,
0.3424

29.5212, 0.2196,
0.2673

73.3161, 0.3566,
0.3475

■ 27.1229, 0.2108,
0.2566

■ 76.1924, 0.3554,
0.3531

■ 25.0142, 0.2040,
0.2459

■ 79.1667, 0.3541,
0.3587

■ 23.1555, 0.1990,
0.2353

■ 82.2399, 0.3529,
0.3641

■ 22.7817, 0.1981,
0.2331

■ 85.4128, 0.3517,
0.3695

Harmonies

Analogous

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



46.6804, 0.2893, 0.3278



46.6804, 0.2854, 0.3156



46.6804, 0.2886, 0.3074

Triad

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



46.6804, 0.2854, 0.3156



46.6804, 0.3260, 0.3176



46.6804, 0.3270, 0.3540

Complementary

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



46.6804, 0.2854, 0.3156



43.4132, 0.3447, 0.3420

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.



46.6804, 0.3372, 0.3505



46.6804, 0.2854, 0.3156



46.6804, 0.3367, 0.3294

Square

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



46.6804, 0.2854, 0.3156



46.6804, 0.3118, 0.3088



46.6804, 0.3408, 0.3415



46.6804, 0.3131, 0.3505

Rectangle

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



46.6804, 0.2854, 0.3156



46.6804, 0.2944, 0.3051



46.6804, 0.3408, 0.3415



46.6804, 0.3310, 0.3536

Sweetspot

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



46.6823, 0.2854, 0.3156



95.3644, 0.3050, 0.3254



49.9926, 0.3034, 0.3631



20.2759, 0.3039, 0.3249



0.0000, 0.0000, 0.0000



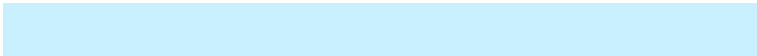
21.4041, 0.3127, 0.3290

Same Dimension

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



46.6823, 0.2854, 0.3156



81.8640, 0.2802, 0.3128



39.7647, 0.2842, 0.2916



10.9275, 0.2984, 0.3223



14.7890, 0.1985, 0.2345



0.7516, 0.2050, 0.2581

Inverse Universe

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



40.7547, 0.3236, 0.2972



69.5189, 0.3261, 0.2909



50.4525, 0.3409, 0.3639



10.1970, 0.3180, 0.3127



8.7752, 0.4079, 0.2021



0.3905, 0.3843, 0.1890

Previews

White Background



This preview shows how the Yxy color 46.6804, 0.2854, 0.3156 looks on a white background.

Color Contrast Check

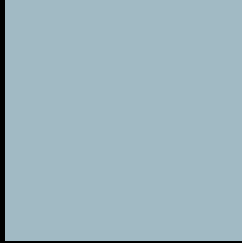
Large Text (above 18pt) WCAG AA × Fail

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 46.6804, 0.2854, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

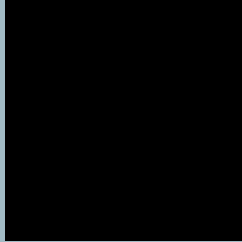
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

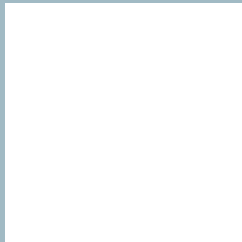
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6804, 0.2854, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 46.6804, 0.2854, 0.3156.



This preview shows how white text looks on a background with the Yxy color 46.6804, 0.2854, 0.3156.

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

46.6804, 0.2854, 0.3156

Protanopia

46.4379, 0.3042, 0.3123

Deuteranopia

46.3344, 0.3088, 0.3015



Tritanopia

46.5494, 0.2834, 0.3091

Trichromacy



Original Color

46.6804, 0.2854, 0.3156

Protanomaly

46.3496, 0.2969, 0.3133

Deuteranomaly

46.4975, 0.3003, 0.3072

Tritanomaly

46.5028, 0.2840, 0.3104

Monochromacy



Original Color

46.6804, 0.2854, 0.3156

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.8853, 0.3021, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6804, 0.2854, 0.3156 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(161, 186, 196)` looks like.

```
.text, #text, p{  
    color:rgb(161, 186, 196)  
}
```

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(161, 186, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 186, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.6804, 0.2854, 0.3156 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(161, 186, 196) }
```

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

```
.border{ border-color:rgb(161, 186, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 186, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 186, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 186, 196);  
box-shadow:4px 4px 4px 4px rgb(161, 186,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6804, 0.2854, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 186, 196) }
```

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

```
.background{ background-color: rgb(161,  
186, 196) }
```

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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