

Converting Colors

$Y_{xy}(46.4088, 0.2868, 0.3200)$

Have a look what the booklet for
Yxy(46.4088, 0.2868, 0.3200)
contains.

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Color

Yxy(46.4416, 0.2868, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	A0BAC1
RGB	160, 186, 193
RGB Percent	63%, 73%, 76%
CMY	0.3724, 0.2706, 0.2431
CMYK	0.17, 0.04, 0.00, 0.24
HSL	193°, 21%, 69%
HSV	193°, 17%, 76%
XYZ	41.6884, 46.4416, 57.2271
YIQ	179.0240, -17.7430, -3.3350

Conversions

Conversions Part 2

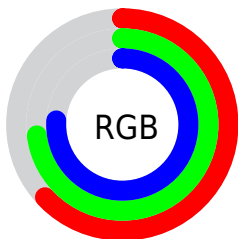
Format	Color
RYB	160, 175, 193
Decimal	10533569
CIELab	73.83, -7.31, -6.52
CIELCh	74, 9.796, 221.739
Yxy	46.4416, 0.2868, 0.3195
Android (android.graphics.Color)	4288723649 (0xFFA0BAC1)
YUV	179.0240, 6.8902, -16.6840
Hunter-Lab	68.1481, -10.0648, -2.0849

Details

The Yxy color **46.4416, 0.2868, 0.3195** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.5385, 0.3435, 0.3383**, and the grayscale version is **45.0670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7909, 0.2916, 0.3217**, and **21.8567, 0.2791, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **42.8988, 0.2722, 0.3133**, and if you desaturate by 10%, it is **50.3469, 0.3019, 0.3252**.

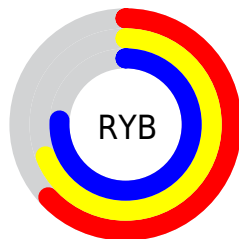
Distribution



Red (63%)

Green (73%)

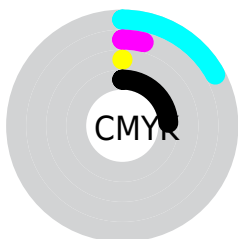
Blue (76%)



Red (63%)

Yellow (69%)

Blue (76%)

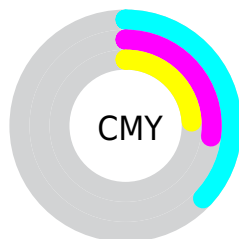


Cyan (17%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (37%)


Magenta (27%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4416, 0.2868, 0.3195 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 46.4416, 0.2868, 0.3195 by changing the saturation by 10% instead.


 46.4416, 0.2868,
0.3195


 46.4416, 0.2868,
0.3195


372.5812, 0.2997,
0.3244

 32.5944, 0.2836,
0.3182


 84.8795, 0.2915,
0.3213

 21.8159, 0.2795,
0.3166


 110.2390, 0.2932,
0.3220

 13.7217, 0.2741,
0.3144

140.2048, 0.2947,
0.3225

 7.9274, 0.2667,
0.3113

175.1612, 0.2960,
0.3230

 4.0485, 0.2556,
0.3064

215.4927, 0.2971,
0.3234

 1.7007, 0.2377,
0.2980

261.5836, 0.2981,

 0.4241, 0.1434,

0.3238

0.2707

313.8183, 0.2989,
0.3241

0.0000, 0.0000,
0.0000

46.4416, 0.2868,
0.3195

46.4416, 0.2868,
0.3195

42.8988, 0.2722,
0.3133

50.3469, 0.3019,
0.3252

39.6981, 0.2583,
0.3065

54.6227, 0.3172,
0.3305

36.8258, 0.2455,
0.2994

59.2837, 0.3324,
0.3352

34.2647, 0.2341,
0.2920

64.3422, 0.3473,
0.3393

31.9958, 0.2243,
0.2843

69.5155, 0.3606,
0.3431

■ 29.9980, 0.2164,
0.2765

■ 71.5272, 0.3596,
0.3473

■ 28.2464, 0.2104,
0.2687

■ 73.5912, 0.3587,
0.3514

■ 26.7070, 0.2063,
0.2610

■ 75.7077, 0.3577,
0.3555

■ 26.2800, 0.2052,
0.2588

■ 77.8771, 0.3567,
0.3596

Harmonies

Analogous

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



46.4416, 0.2926, 0.3319



46.4416, 0.2868, 0.3195



46.4416, 0.2878, 0.3101

Triad

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



46.4416, 0.2868, 0.3195



46.4416, 0.3214, 0.3149



46.4416, 0.3301, 0.3528

Complementary

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



46.4416, 0.2868, 0.3195



41.5385, 0.3435, 0.3383

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.



46.4416, 0.3382, 0.3475



46.4416, 0.2868, 0.3195



46.4416, 0.3332, 0.3257

Square

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



46.4416, 0.2868, 0.3195



46.4416, 0.3075, 0.3077



46.4416, 0.3394, 0.3376



46.4416, 0.3175, 0.3515

Rectangle

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



46.4416, 0.2868, 0.3195



46.4416, 0.2921, 0.3066



46.4416, 0.3394, 0.3376



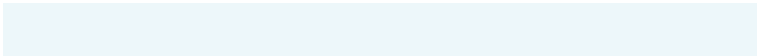
46.4416, 0.3335, 0.3517

Sweetspot

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



46.4435, 0.2868, 0.3195



91.6382, 0.3050, 0.3263



48.4007, 0.3058, 0.3653



19.5466, 0.3039, 0.3260



97.7402, 0.3127, 0.3290



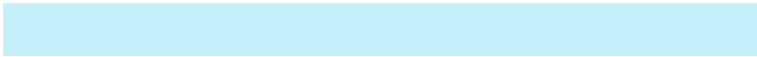
20.4902, 0.3127, 0.3290

Same Dimension

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



46.4435, 0.2868, 0.3195



80.3954, 0.2805, 0.3169



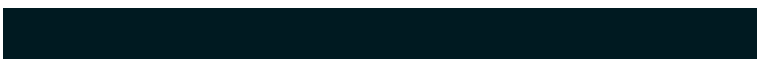
40.0523, 0.2858, 0.2973



11.0526, 0.2984, 0.3240



17.5959, 0.2055, 0.2598



0.8535, 0.2103, 0.2769

Inverse Universe

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



40.0394, 0.3209, 0.2958



66.6453, 0.3232, 0.2873



47.7963, 0.3401, 0.3588



10.2096, 0.3169, 0.3111



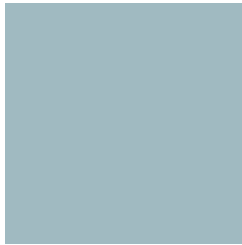
9.0586, 0.3826, 0.1881



0.4008, 0.3663, 0.1792

Previews

White Background



This preview shows how the Yxy color 46.4416, 0.2868, 0.3195 looks on a white background.

Color Contrast Check

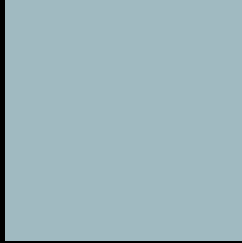
Large Text (above 18pt) WCAG AA × Fail

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 46.4416, 0.2868, 0.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

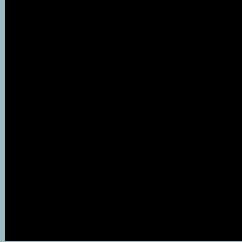
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

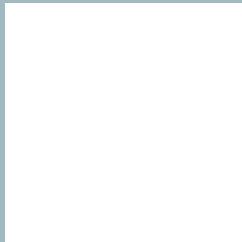
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4416, 0.2868, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 46.4416, 0.2868, 0.3195.



This preview shows how white text looks on a background with the Yxy color 46.4416, 0.2868, 0.3195.

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

46.4416, 0.2868, 0.3195

Protanopia

46.2617, 0.3073, 0.3174

Deuteranopia

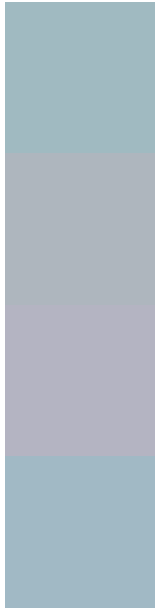
46.1973, 0.3112, 0.3052



Tritanopia

46.4451, 0.2826, 0.3090

Trichromacy



Original Color

46.4416, 0.2868, 0.3195

Protanomaly

46.1723, 0.2999, 0.3185

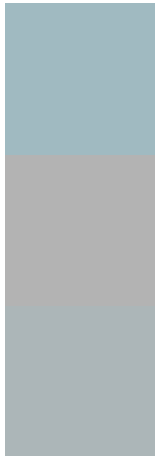
Deuteranomaly

46.2409, 0.3018, 0.3109

Tritanomaly

46.3062, 0.2847, 0.3129

Monochromacy



Original Color

46.4416, 0.2868, 0.3195

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.6872, 0.3028, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4416, 0.2868, 0.3195 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(160, 186, 193)` looks like.

```
.text, #text, p{  
    color:rgb(160, 186, 193)  
}
```

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(160, 186, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 186, 193) }
```

Border

The CSS property to change the border of an element to Yxy 46.4416, 0.2868, 0.3195 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(160, 186, 193) }
```

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

```
.border{ border-color:rgb(160, 186, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 186, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 186, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 186, 193);  
box-shadow:4px 4px 4px 4px rgb(160, 186,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4416, 0.2868, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 186, 193) }
```

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

```
.background{ background-color: rgb(160,  
186, 193) }
```

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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