

Converting Colors

$Y_{xy}(46.1535, 0.2865, 0.3148)$

Have a look what the booklet for
Yxy(46.1535, 0.2865, 0.3148)
contains.

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Color

Yxy(46.3194, 0.2868, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	A2B9C3
RGB	162, 185, 195
RGB Percent	64%, 73%, 76%
CMY	0.3649, 0.2744, 0.2353
CMYK	0.17, 0.05, 0.00, 0.24
HSL	198°, 22%, 70%
HSV	198°, 17%, 76%
XYZ	42.0925, 46.3194, 58.3542
YIQ	179.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

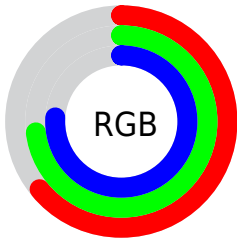
Format	Color
R_{YB}	162, 176, 195
Decimal	10664387
CIE _{Lab}	73.75, -5.75, -7.71
CIE _{LCh}	74, 9.616, 233.305
Yxy	46.3194, 0.2868, 0.3156
Android (android.graphics.Color)	4288854467 (0xFFA2B9C3)
YUV	179.2630, 7.7583, -15.1397
Hunter-Lab	68.0584, -8.7040, -3.1953

Details

The Yxy color **46.3194, 0.2868, 0.3156** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6930, 0.3426, 0.3420**, and the grayscale version is **45.1884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6906, 0.2911, 0.3176**, and **21.7406, 0.2800, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **42.0203, 0.2717, 0.3066**, and if you desaturate by 10%, it is **51.0412, 0.3021, 0.3238**.

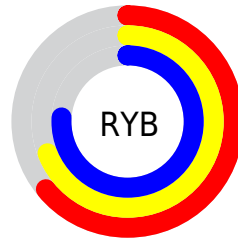
Distribution



Red (64%)

Green (73%)

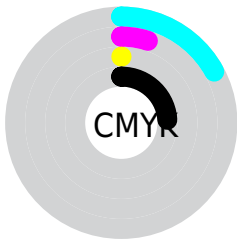
Blue (76%)



Red (64%)

Yellow (69%)

Blue (76%)

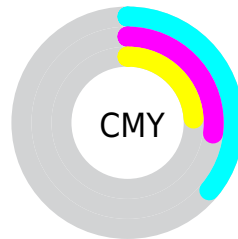


Cyan (17%)

Magenta (5%)

Yellow (0%)

Black (24%)



Cyan (36%)


Magenta (27%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3194, 0.2868, 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 46.3194, 0.2868, 0.3156 by changing the saturation by 10% instead.

 46.3194, 0.2868,
0.3156


 46.3194, 0.2868,
0.3156

372.0913, 0.2997,
0.3224

 32.4979, 0.2836,
0.3139


 84.6968, 0.2915,
0.3181

 21.7421, 0.2795,
0.3116


 110.0215, 0.2932,
0.3190

 13.6675, 0.2741,
0.3086


139.9495, 0.2947,
0.3198

 7.8898, 0.2666,
0.3043

174.8650, 0.2960,
0.3205

 4.0245, 0.2556,
0.2979

215.1526, 0.2971,
0.3211

 1.6873, 0.2376,
0.2869

261.1966, 0.2981,

 0.4154, 0.1532,

0.3216

0.2500

313.3813, 0.2989,
0.3220

0.0000, 0.0000,
0.0000

46.3194, 0.2868,
0.3156

46.3194, 0.2868,
0.3156

42.0203, 0.2717,
0.3066

51.0412, 0.3021,
0.3238

38.1225, 0.2571,
0.2970

56.1947, 0.3173,
0.3312

34.6108, 0.2433,
0.2866

61.7959, 0.3323,
0.3378

31.4669, 0.2307,
0.2758

67.8582, 0.3468,
0.3437

28.6706, 0.2196,
0.2645

73.5392, 0.3573,
0.3491

■ 26.1992, 0.2104,
0.2531

■ 76.5856, 0.3559,
0.3550

■ 24.0265, 0.2032,
0.2416

■ 79.7412, 0.3546,
0.3608

■ 22.1171, 0.1978,
0.2304

■ 83.0071, 0.3533,
0.3666

■ 21.5677, 0.1964,
0.2269

■ 86.3842, 0.3520,
0.3722

Harmonies

Analogous

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



46.3194, 0.2900, 0.3270



46.3194, 0.2868, 0.3156



46.3194, 0.2903, 0.3081

Triad

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



46.3194, 0.2868, 0.3156



46.3194, 0.3262, 0.3190



46.3194, 0.3254, 0.3527

Complementary

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



46.3194, 0.2868, 0.3156



43.6930, 0.3426, 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.



46.3194, 0.3354, 0.3499



46.3194, 0.2868, 0.3156



46.3194, 0.3359, 0.3303

Square

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



46.3194, 0.2868, 0.3156



46.3194, 0.3129, 0.3103



46.3194, 0.3394, 0.3416



46.3194, 0.3121, 0.3488

Rectangle

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



46.3194, 0.2868, 0.3156



46.3194, 0.2961, 0.3062



46.3194, 0.3394, 0.3416



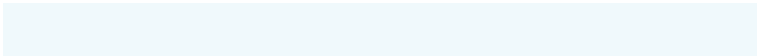
46.3194, 0.3293, 0.3525

Sweetspot

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



46.3213, 0.2868, 0.3156



93.0779, 0.3050, 0.3252



49.6826, 0.3035, 0.3604



20.2426, 0.3039, 0.3247



0.0000, 0.0000, 0.0000



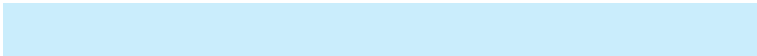
21.4041, 0.3127, 0.3290

Same Dimension

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



46.3213, 0.2868, 0.3156



80.2863, 0.2817, 0.3127



39.8306, 0.2858, 0.2930



10.8979, 0.2984, 0.3219



14.1703, 0.1968, 0.2285



0.7287, 0.2038, 0.2535

Inverse Universe

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



40.9303, 0.3234, 0.2997



69.1274, 0.3259, 0.2936



50.3452, 0.3392, 0.3626



10.1940, 0.3183, 0.3131



8.7127, 0.4143, 0.2056



0.3882, 0.3887, 0.1915

Previews

White Background



This preview shows how the Yxy color 46.3194, 0.2868, 0.3156 looks on a white background.

Color Contrast Check

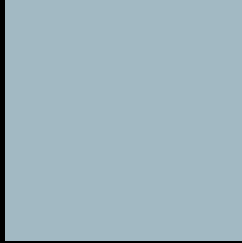
Large Text (above 18pt) WCAG AA × Fail

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 46.3194, 0.2868, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

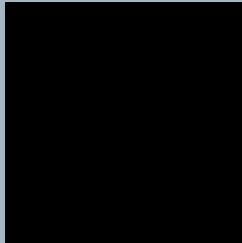
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

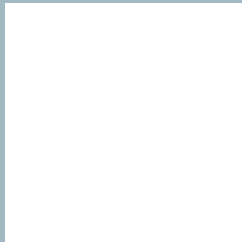
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3194, 0.2868, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 46.3194, 0.2868, 0.3156.



This preview shows how white text looks on a background with the Yxy color 46.3194, 0.2868, 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

46.3194, 0.2868, 0.3156

Protanopia

46.2720, 0.3041, 0.3135

Deuteranopia

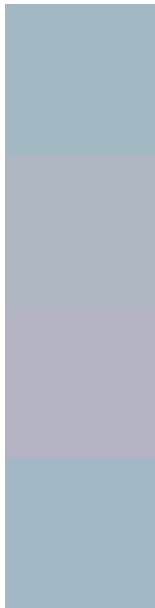
46.1583, 0.3088, 0.3027



Tritanopia

46.1910, 0.2847, 0.3091

Trichromacy



Original Color

46.3194, 0.2868, 0.3156

Protanomaly

46.3048, 0.2976, 0.3146

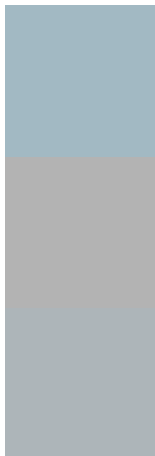
Deuteranomaly

45.9290, 0.3003, 0.3071

Tritanomaly

46.1447, 0.2854, 0.3104

Monochromacy



Original Color

46.3194, 0.2868, 0.3156

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4348, 0.3029, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3194, 0.2868, 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(162, 185, 195)` looks like.

```
.text, #text, p{  
    color:rgb(162, 185, 195)  
}
```

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(162, 185, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 185, 195) }
```

Border

The CSS property to change the border of an element to Yxy 46.3194, 0.2868, 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(162, 185, 195) }
```

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

```
.border{ border-color:rgb(162, 185, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 185, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 185, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 185, 195);  
box-shadow:4px 4px 4px 4px rgb(162, 185,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3194, 0.2868, 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(162, 185, 195) }
```

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

```
.background{ background-color: rgb(162,  
185, 195) }
```

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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