

Converting Colors

$Y_{xy}(46.0474, 0.2857, 0.3081)$

Have a look what the booklet for
Yxy(46.0474, 0.2857, 0.3081)
contains.

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Color

Yxy(45.8830, 0.2854, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	A4B7C7
RGB	164, 183, 199
RGB Percent	64%, 72%, 78%
CMY	0.3570, 0.2823, 0.2196
CMYK	0.18, 0.08, 0.00, 0.22
HSL	207°, 24%, 71%
HSV	207°, 18%, 78%
XYZ	42.5439, 45.8830, 60.6407
YIQ	179.1430, -16.4600, 0.9480

Conversions

Conversions Part 2

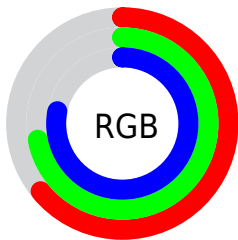
Format	Color
RYB	164, 176, 199
Decimal	10794951
CIELab	73.47, -3.17, -10.29
CIELCh	73, 10.769, 252.883
Yxy	45.8830, 0.2854, 0.3078
Android (android.graphics.Color)	4288985031 (0xFFA4B7C7)
YUV	179.1430, 9.7895, -13.2804
Hunter-Lab	67.7370, -6.4284, -5.6627

Details

The Yxy color `45.8830, 0.2854, 0.3078` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `47.4331, 0.3428, 0.3493`, and the grayscale version is `45.1097, 0.3127, 0.3290`.

A 20% lighter version of the original color is `84.0131, 0.2906, 0.3125`, and `21.4543, 0.2781, 0.3017` is the 20% darker color. If you saturate the color by 10%, you get `40.3082, 0.2694, 0.2940`, and if you desaturate by 10%, it is `52.0340, 0.3011, 0.3203`.

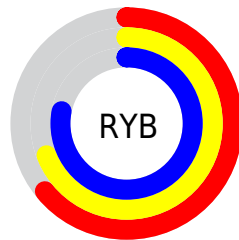
Distribution



Red (64%)

Green (72%)

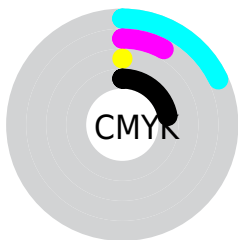
Blue (78%)



Red (64%)

Yellow (69%)

Blue (78%)

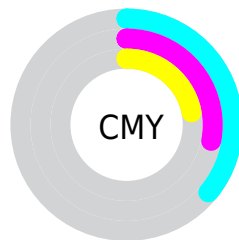


Cyan (18%)

Magenta (8%)

Yellow (0%)

Black (22%)



Cyan (36%)

Magenta (28%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8830, 0.2854, 0.3078 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 45.8830, 0.2854, 0.3078 by changing the saturation by 10% instead.

■ 45.8830, 0.2854,
0.3078

■ 45.8830, 0.2854,
0.3078

■ 370.3381, 0.2990,
0.3185

■ 32.1535, 0.2820,
0.3051

■ 84.0439, 0.2903,
0.3117

■ 21.4788, 0.2777,
0.3017

■ 109.2440, 0.2922,
0.3131

■ 13.4744, 0.2720,
0.2971

■ 139.0365, 0.2937,
0.3144

■ 7.7560, 0.2641,
0.2906

■ 173.8058, 0.2951,
0.3154

■ 3.9392, 0.2524,
0.2809

■ 213.9362, 0.2963,
0.3163

■ 1.6396, 0.2334,
0.2649

■ 259.8121, 0.2973,

■ 0.3841, 0.1581,

0.3171

0.2110

311.8179, 0.2982,
0.3178

0.0000, 0.0000,
0.0000

45.8830, 0.2854,
0.3078

45.8830, 0.2854,
0.3078

40.3082, 0.2694,
0.2940

52.0340, 0.3011,
0.3203

35.2842, 0.2535,
0.2789

58.7744, 0.3163,
0.3316

30.7916, 0.2381,
0.2627

66.1237, 0.3308,
0.3416

26.8075, 0.2235,
0.2457

74.0991, 0.3446,
0.3504

23.3069, 0.2103,
0.2281

81.0786, 0.3514,
0.3588

■ 20.2621, 0.1989,
0.2103

■ 86.2131, 0.3495,
0.3676

■ 17.6412, 0.1897,
0.1928

■ 91.6135, 0.3477,
0.3762

■ 15.4006, 0.1827,
0.1759

■ 96.9031, 0.3460,
0.3840

■ 14.9049, 0.1811,
0.1720

Harmonies

Analogous

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



45.8830, 0.2841, 0.3180



45.8830, 0.2854, 0.3078



45.8830, 0.2939, 0.3035

Triad

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



45.8830, 0.2854, 0.3078



45.8830, 0.3357, 0.3258



45.8830, 0.3174, 0.3537

Complementary

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



45.8830, 0.2854, 0.3078



47.4331, 0.3428, 0.3493

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.



45.8830, 0.3315, 0.3553



45.8830, 0.2854, 0.3078



45.8830, 0.3423, 0.3389

Square

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



45.8830, 0.2854, 0.3078



45.8830, 0.3229, 0.3139



45.8830, 0.3407, 0.3497



45.8830, 0.3023, 0.3449

Rectangle

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



45.8830, 0.2854, 0.3078



45.8830, 0.3026, 0.3043



45.8830, 0.3407, 0.3497



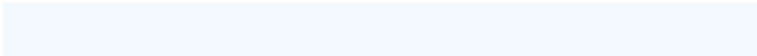
45.8830, 0.3224, 0.3551

Sweetspot

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



45.8849, 0.2854, 0.3078



94.0086, 0.3050, 0.3233



52.0143, 0.2995, 0.3546



19.9461, 0.3039, 0.3225



0.0000, 0.0000, 0.0000



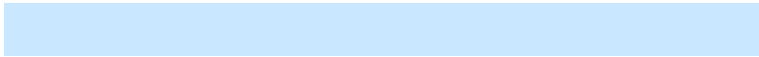
21.4041, 0.3127, 0.3290

Same Dimension

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



45.8849, 0.2854, 0.3078



76.6202, 0.2795, 0.3028



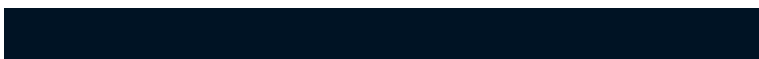
39.1765, 0.2842, 0.2841



11.2277, 0.2983, 0.3182



9.7622, 0.1817, 0.1742



0.6058, 0.1915, 0.2094

Inverse Universe

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



42.0951, 0.3287, 0.3050



68.9895, 0.3328, 0.2997



54.8608, 0.3393, 0.3703



10.7319, 0.3206, 0.3165



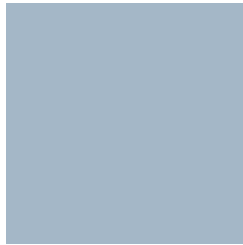
8.5255, 0.4755, 0.2393



0.4182, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 45.8830, 0.2854, 0.3078 looks on a white background.

Color Contrast Check

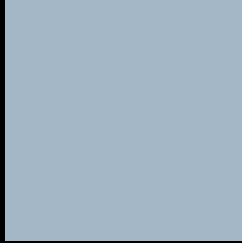
Large Text (above 18pt) WCAG AA × Fail

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 45.8830, 0.2854, 0.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

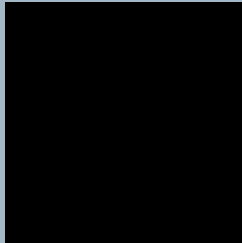
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

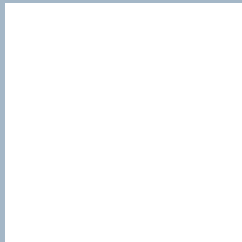
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8830, 0.2854, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 45.8830, 0.2854, 0.3078.

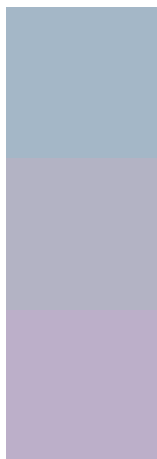


This preview shows how white text looks on a background with the Yxy color 45.8830, 0.2854, 0.3078.

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

45.8830, 0.2854, 0.3078

Protanopia

45.8094, 0.2994, 0.3070

Deuteranopia

45.5684, 0.3031, 0.2963



Tritanopia

45.8367, 0.2861, 0.3091

Trichromacy



Original Color

45.8830, 0.2854, 0.3078

Protanomaly

45.6724, 0.2946, 0.3068

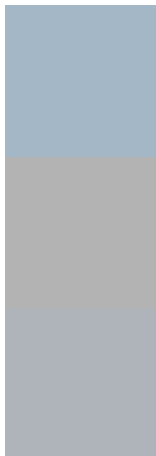
Deuteranomaly

45.5946, 0.2964, 0.3007

Tritanomaly

45.8367, 0.2861, 0.3091

Monochromacy



Original Color

45.8830, 0.2854, 0.3078

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1864, 0.3029, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8830, 0.2854, 0.3078 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(164, 183, 199)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 183, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 183, 199) }
```

Border

The CSS property to change the border of an element to Yxy 45.8830, 0.2854, 0.3078 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(164, 183, 199) }
```

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

```
.border{ border-color:rgb(164, 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(164, 183, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 183, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 183, 199);  
box-shadow:4px 4px 4px 4px rgb(164, 183,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8830, 0.2854, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 183, 199) }
```

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

```
.background{ background-color: rgb(164,  
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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