

Converting Colors

$Y_{xy}(45.4890, 0.2831, 0.2931)$

Have a look what the booklet for
Yxy(45.4890, 0.2831, 0.2931)
contains.

Yxy(45.5825, 0.2834, 0.2940)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.5825, 0.2834, 0.2940)

Conversions

Conversions Part 1

Format	Color
Hex	A9B4CF
RGB	169, 180, 207
RGB Percent	66%, 71%, 81%
CMY	0.3374, 0.2941, 0.1882
CMYK	0.18, 0.13, 0.00, 0.19
HSL	223°, 28%, 74%
HSV	223°, 18%, 81%
XYZ	43.9390, 45.5825, 65.5210
YIQ	179.7890, -15.2230, 6.0650

Conversions

Conversions Part 2

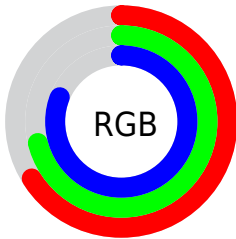
Format	Color
R_{YB}	169, 178, 207
Decimal	11121871
CIE _{Lab}	73.27, 1.81, -14.93
CIE _{LCh}	73, 15.040, 276.912
Yxy	45.5825, 0.2834, 0.2940
Android (android.graphics.Color)	4289311951 (0xFFA9B4CF)
YUV	179.7890, 13.4150, -9.4620
Hunter-Lab	67.5148, -1.9820, -10.2787

Details

The Yxy color $45.5825, 0.2834, 0.2940$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $55.5864, 0.3424, 0.3617$, and the grayscale version is $45.4531, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2185, 0.2942, 0.3096$, and $21.1917, 0.2743, 0.2830$ is the 20% darker color. If you saturate the color by 10%, you get $37.8554, 0.2659, 0.2718$, and if you desaturate by 10%, it is $54.3039, 0.2999, 0.3140$.

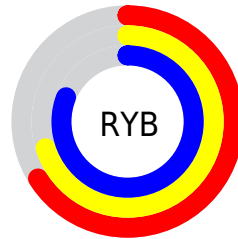
Distribution



Red (66%)

Green (71%)

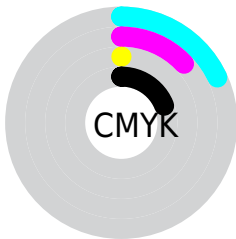
Blue (81%)



Red (66%)

Yellow (70%)

Blue (81%)

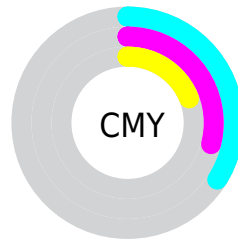


Cyan (18%)

Magenta (13%)

Yellow (0%)

Black (19%)



Cyan (34%)

Magenta (29%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5825, 0.2834, 0.2940 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 45.5825, 0.2834, 0.2940 by changing the saturation by 10% instead.

■ 45.5825, 0.2834,
0.2940

■ 45.5825, 0.2834,
0.2940

■ 369.1276, 0.2980,
0.3114

■ 31.9165, 0.2798,
0.2897

■ 83.5938, 0.2887,
0.3003

■ 21.2977, 0.2751,
0.2842

■ 108.7079, 0.2907,
0.3026

■ 13.3418, 0.2689,
0.2770

■ 138.4069, 0.2924,
0.3047

■ 7.6643, 0.2604,
0.2670

■ 173.0750, 0.2938,
0.3064

■ 3.8809, 0.2477,
0.2525

■ 213.0967, 0.2951,
0.3079

■ 1.6072, 0.2275,
0.2293

■ 258.8565, 0.2962,

■ 0.3624, 0.1711,

0.3092

0.1596

310.7387, 0.2972,
0.3103

0.0000, 0.0000,
0.0000

45.5825, 0.2834,
0.2940

45.5825, 0.2834,
0.2940

37.8554, 0.2659,
0.2718

54.3039, 0.2999,
0.3140

31.0804, 0.2477,
0.2475

64.0485, 0.3151,
0.3317

25.2207, 0.2293,
0.2215

74.8509, 0.3290,
0.3473

20.2345, 0.2114,
0.1945

86.7424, 0.3417,
0.3610

16.0767, 0.1948,
0.1676

96.2901, 0.3414,
0.3746

■ 12.6974, 0.1805,
0.1419

■ 97.2856, 0.3412,
0.3760

■ 10.0406, 0.1692,
0.1187

■ 8.0324, 0.1612,
0.0992

■ 7.7560, 0.1601,
0.0963

Harmonies

Analogous

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



45.5825, 0.2736, 0.3015



45.5825, 0.2834, 0.2940



45.5825, 0.3012, 0.2956

Triad

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



45.5825, 0.2834, 0.2940



45.5825, 0.3533, 0.3389



45.5825, 0.3020, 0.3546

Complementary

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



45.5825, 0.2834, 0.2940



55.5864, 0.3424, 0.3617

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.



45.5825, 0.3232, 0.3652



45.5825, 0.2834, 0.2940



45.5825, 0.3533, 0.3552

Square

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



45.5825, 0.2834, 0.2940



45.5825, 0.3419, 0.3209



45.5825, 0.3422, 0.3651



45.5825, 0.2840, 0.3365

Rectangle

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



45.5825, 0.2834, 0.2940



45.5825, 0.3154, 0.3013



45.5825, 0.3422, 0.3651



45.5825, 0.3090, 0.3592

Sweetspot

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



45.5844, 0.2834, 0.2940



90.4831, 0.3035, 0.3183



57.0283, 0.2926, 0.3435



19.1533, 0.3025, 0.3171



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.



45.5844, 0.2834, 0.2940



68.0554, 0.2767, 0.2856



42.1598, 0.2888, 0.2801



11.9696, 0.2982, 0.3120



5.0286, 0.1608, 0.0987



0.4183, 0.1711, 0.1359

Inverse Universe

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



44.9213, 0.3382, 0.3155



66.9778, 0.3449, 0.3124



59.6912, 0.3340, 0.3753



11.8640, 0.3245, 0.3223



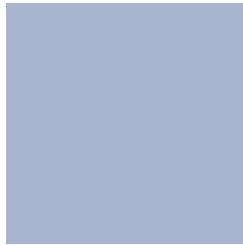
8.5789, 0.5778, 0.2957



0.4935, 0.5246, 0.2663

Previews

White Background



This preview shows how the Yxy color 45.5825, 0.2834, 0.2940 looks on a white background.

Color Contrast Check

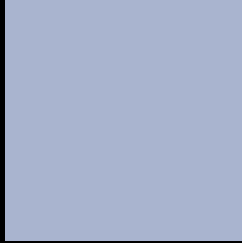
Large Text (above 18pt) WCAG AA × Fail

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 45.5825, 0.2834, 0.2940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

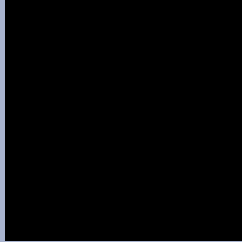
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

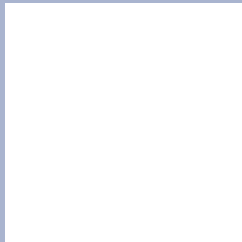
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5825, 0.2834, 0.2940

Background



This preview shows how black text looks on a background with the Yxy color 45.5825, 0.2834, 0.2940.



This preview shows how white text looks on a background with the Yxy color 45.5825, 0.2834, 0.2940.

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

45.5825, 0.2834, 0.2940

Protanopia

45.4110, 0.2887, 0.2931

Deuteranopia

45.4044, 0.2944, 0.2876



Tritanopia

45.6569, 0.2898, 0.3104

Trichromacy



Original Color

45.5825, 0.2834, 0.2940

Protanomaly

45.5807, 0.2872, 0.2942

Deuteranomaly

45.5821, 0.2904, 0.2897

Tritanomaly

45.5427, 0.2877, 0.3040

Monochromacy



Original Color

45.5825, 0.2834, 0.2940

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5903, 0.3015, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5825, 0.2834, 0.2940 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, 180, 207)` looks like.

```
.text, #text, p{  
    color:rgb(169, 180, 207)  
}
```

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, 180, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 180, 207) }
```

Border

The CSS property to change the border of an element to Yxy 45.5825, 0.2834, 0.2940 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, 180, 207) }
```

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

```
.border{ border-color:rgb(169, 180, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 180, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 180, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 180, 207);  
box-shadow:4px 4px 4px 4px rgb(169, 180,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5825, 0.2834, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 180, 207) }
```

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

```
.background{ background-color: rgb(169,  
180, 207) }
```

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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