

Converting Colors

$Y_{xy}(48.5931, 0.2807, 0.2931)$

Have a look what the booklet for
Yxy(48.5931, 0.2807, 0.2931)
contains.

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Color

Yxy(48.6308, 0.2806, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	ABBAD6
RGB	171, 186, 214
RGB Percent	67%, 73%, 84%
CMY	0.3294, 0.2706, 0.1607
CMYK	0.20, 0.13, 0.00, 0.16
HSL	219°, 34%, 75%
HSV	219°, 20%, 84%
XYZ	46.4934, 48.6308, 70.5685
YIQ	184.7070, -17.9280, 5.5280

Conversions

Conversions Part 2

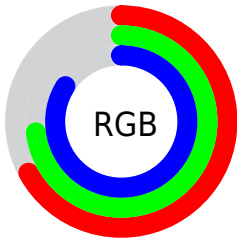
Format	Color
R _Y B	171, 182, 214
Decimal	11254486
CIE Lab	75.22, 0.77, -15.80
CIE LCh	75, 15.821, 272.781
Yxy	48.6308, 0.2806, 0.2935
Android (android.graphics.Color)	4289444566 (0xFFABBAD6)
YUV	184.7070, 14.4414, -12.0210
Hunter-Lab	69.7358, -3.0304, -11.1829

Details

The Yxy color **48.6308, 0.2806, 0.2935** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **58.0977, 0.3461, 0.3621**, and the grayscale version is **48.2720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0552, 0.2956, 0.3158**, and **23.1298, 0.2719, 0.2843** is the 20% darker color. If you saturate the color by 10%, you get **40.8306, 0.2633, 0.2728**, and if you desaturate by 10%, it is **57.3972, 0.2971, 0.3122**.

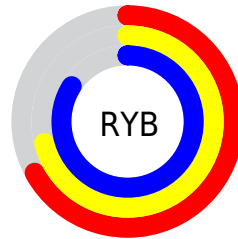
Distribution



Red (67%)

Green (73%)

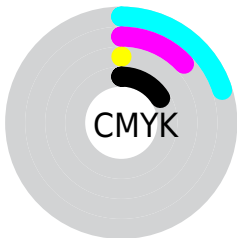
Blue (84%)



Red (67%)

Yellow (71%)

Blue (84%)

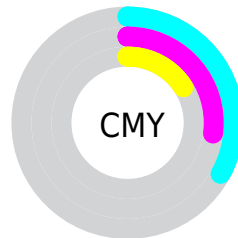


Cyan (20%)

Magenta (13%)

Yellow (0%)

Black (16%)



Cyan (33%)

Magenta (27%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6308, 0.2806, 0.2935 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 48.6308, 0.2806, 0.2935 by changing the saturation by 10% instead.

■ 48.6308, 0.2806,
0.2935

■ 48.6308, 0.2806,
0.2935

381.2870, 0.2964,
0.3110

■ 34.3267, 0.2767,
0.2892

■ 88.1429, 0.2863,
0.2998

■ 23.1447, 0.2718,
0.2838

114.1196, 0.2885,
0.3022

■ 14.7004, 0.2653,
0.2767

144.7560, 0.2903,
0.3042

■ 8.6094, 0.2565,
0.2671

180.4365, 0.2919,
0.3059

■ 4.4873, 0.2437,
0.2531

221.5455, 0.2932,
0.3074

■ 1.9497, 0.2236,
0.2313

268.4673, 0.2944,

■ 0.5780, 0.1831,

0.3087

0.1863

321.5863, 0.2955,
0.3099

0.0000, 0.0000,
0.0000

48.6308, 0.2806,
0.2935

48.6308, 0.2806,
0.2935

40.8306, 0.2633,
0.2728

57.3972, 0.2971,
0.3122

33.9555, 0.2455,
0.2502

67.1570, 0.3126,
0.3288

27.9704, 0.2278,
0.2261

77.9434, 0.3269,
0.3435

22.8349, 0.2108,
0.2011

89.4797, 0.3389,
0.3565

18.5056, 0.1953,
0.1760

97.6362, 0.3369,
0.3691

■ 14.9342, 0.1820,
0.1518

■ 12.0659, 0.1715,
0.1295

■ 9.8365, 0.1640,
0.1102

Harmonies

Analogous

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



48.6308, 0.2718, 0.3024



48.6308, 0.2806, 0.2935



48.6308, 0.2980, 0.2939

Triad

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



48.6308, 0.2806, 0.2935



48.6308, 0.3535, 0.3366



48.6308, 0.3046, 0.3575

Complementary

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



48.6308, 0.2806, 0.2935



58.0977, 0.3461, 0.3621

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.



48.6308, 0.3265, 0.3670



48.6308, 0.2806, 0.2935



48.6308, 0.3553, 0.3539

Square

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



48.6308, 0.2806, 0.2935



48.6308, 0.3404, 0.3182



48.6308, 0.3452, 0.3653



48.6308, 0.2853, 0.3395

Rectangle

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



48.6308, 0.2806, 0.2935



48.6308, 0.3124, 0.2990



48.6308, 0.3452, 0.3653



48.6308, 0.3119, 0.3618

Sweetspot

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



48.6328, 0.2806, 0.2935



91.0183, 0.3035, 0.3192



60.8845, 0.2921, 0.3477



19.2795, 0.3025, 0.3180



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.



48.6328, 0.2806, 0.2935



67.3335, 0.2735, 0.2852



43.3839, 0.2845, 0.2746



12.7098, 0.2982, 0.3134



6.1209, 0.1647, 0.1129



0.5219, 0.1745, 0.1481

Inverse Universe

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



46.9717, 0.3389, 0.3112



64.6679, 0.3458, 0.3073



64.3922, 0.3378, 0.3796



12.4916, 0.3237, 0.3209



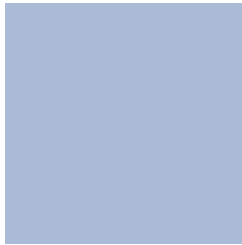
8.9628, 0.5568, 0.2841



0.5560, 0.5084, 0.2574

Previews

White Background



This preview shows how the Yxy color 48.6308, 0.2806, 0.2935 looks on a white background.

Color Contrast Check

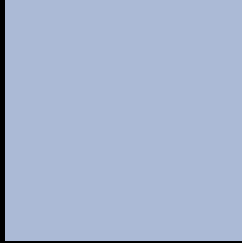
Large Text (above 18pt) WCAG AA × Fail

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 48.6308, 0.2806, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

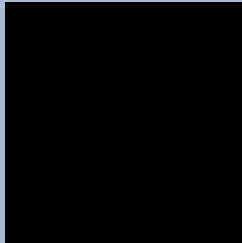
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

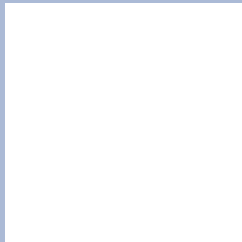
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6308, 0.2806, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 48.6308, 0.2806, 0.2935.



This preview shows how white text looks on a background with the Yxy color 48.6308, 0.2806, 0.2935.

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

48.6308, 0.2806, 0.2935

Protanopia

48.7377, 0.2887, 0.2940

Deuteranopia

48.2402, 0.2926, 0.2862



Tritanopia

48.7133, 0.2868, 0.3096

Trichromacy



Original Color

48.6308, 0.2806, 0.2935

Protanomaly

48.8491, 0.2857, 0.2939

Deuteranomaly

48.3073, 0.2880, 0.2881

Tritanomaly

48.5917, 0.2847, 0.3033

Monochromacy



Original Color

48.6308, 0.2806, 0.2935

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3867, 0.3003, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6308, 0.2806, 0.2935 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(171, 186, 214)` looks like.

```
.text, #text, p{  
    color:rgb(171, 186, 214)  
}
```

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(171, 186, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 186, 214) }
```

Border

The CSS property to change the border of an element to Yxy 48.6308, 0.2806, 0.2935 is called "border". The border property can be set on classes, ids or directly on the HTML element.

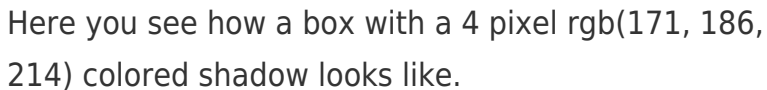
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 186, 214) }
```

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

```
.border{ border-color:rgb(171, 186, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 186, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 186, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 186, 214); box-shadow:4px 4px 4px 4px rgb(171, 186, 214) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6308, 0.2806, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 186, 214) }
```

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

```
.background{ background-color: rgb(171,  
186, 214) }
```

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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