

Converting Colors

$Yxy(48.8047, 0.2901, 0.3139)$

Have a look what the booklet for
Yxy(48.8047, 0.2901, 0.3139)
contains.

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Color

Yxy(48.6826, 0.2896, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	AABCC8
RGB	170, 188, 200
RGB Percent	67%, 74%, 78%
CMY	0.3333, 0.2627, 0.2157
CMYK	0.15, 0.06, 0.00, 0.22
HSL	204°, 21%, 73%
HSV	204°, 15%, 78%
XYZ	44.9856, 48.6826, 61.6688
YIQ	183.9860, -14.5800, -0.0840

Conversions

Conversions Part 2

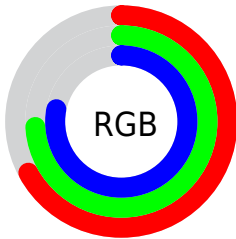
Format	Color
RYB	170, 181, 200
Decimal	11189448
CIELab	75.25, -3.68, -8.14
CIELCh	75, 8.933, 245.690
Yxy	48.6826, 0.2896, 0.3134
Android (android.graphics.Color)	4289379528 (0xFFAABCC8)
YUV	183.9860, 7.8949, -12.2657
Hunter-Lab	69.7729, -7.0160, -3.5624

Details

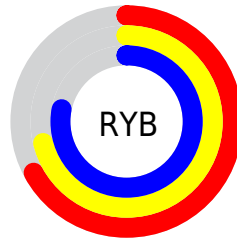
The Yxy color **48.6826, 0.2896, 0.3134** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.6354, 0.3382, 0.3441**, and the grayscale version is **47.8871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9289, 0.2944, 0.3178**, and **23.2548, 0.2838, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **43.2999, 0.2739, 0.3016**, and if you desaturate by 10%, it is **54.5978, 0.3051, 0.3241**.

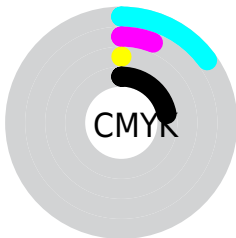
Distribution



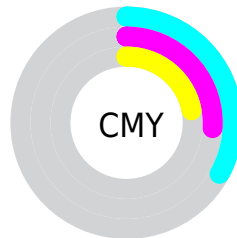
- Red (67%)
- Green (74%)
- Blue (78%)



- Red (67%)
- Yellow (71%)
- Blue (78%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6826, 0.2896, 0.3134 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 48.6826, 0.2896, 0.3134 by changing the saturation by 10% instead.

■ 48.6826, 0.2896,
0.3134

■ 48.6826, 0.2896,
0.3134

381.4914, 0.3010,
0.3212

■ 34.3678, 0.2868,
0.3115

■ 88.2199, 0.2937,
0.3162

■ 23.1763, 0.2832,
0.3090

114.2111, 0.2953,
0.3173

■ 14.7237, 0.2785,
0.3056

144.8632, 0.2966,
0.3182

■ 8.6257, 0.2721,
0.3010

180.5607, 0.2977,
0.3190

■ 4.4979, 0.2626,
0.2941

221.6878, 0.2987,
0.3196

■ 1.9558, 0.2474,
0.2829

268.6291, 0.2996,

■ 0.5816, 0.2042,

0.3202

0.2565

321.7688, 0.3003,
0.3207

0.0000, 0.0000,
0.0000

48.6826, 0.2896,
0.3134

48.6826, 0.2896,
0.3134

43.2999, 0.2739,
0.3016

54.5978, 0.3051,
0.3241

38.4253, 0.2584,
0.2888

61.0566, 0.3202,
0.3337

34.0412, 0.2434,
0.2750

68.0775, 0.3348,
0.3422

30.1267, 0.2293,
0.2603

75.6761, 0.3486,
0.3497

26.6587, 0.2165,
0.2451

80.9106, 0.3507,
0.3574

■ 23.6115, 0.2054,
0.2296

■ 85.4126, 0.3491,
0.3652

■ 20.9562, 0.1964,
0.2142

■ 90.1207, 0.3475,
0.3728

■ 18.6577, 0.1895,
0.1991

■ 95.0376, 0.3460,
0.3802

■ 17.6111, 0.1866,
0.1916

■ 96.9502, 0.3454,
0.3830

Harmonies

Analogous

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



48.6826, 0.2900, 0.3226



48.6826, 0.2896, 0.3134



48.6826, 0.2953, 0.3086

Triad

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



48.6826, 0.2896, 0.3134



48.6826, 0.3293, 0.3239



48.6826, 0.3195, 0.3499

Complementary

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



48.6826, 0.2896, 0.3134



48.6354, 0.3382, 0.3441

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.



48.6826, 0.3303, 0.3498



48.6826, 0.2896, 0.3134



48.6826, 0.3360, 0.3346

Square

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



48.6826, 0.2896, 0.3134



48.6826, 0.3181, 0.3147



48.6826, 0.3364, 0.3441



48.6826, 0.3071, 0.3440

Rectangle

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



48.6826, 0.2896, 0.3134



48.6826, 0.3018, 0.3083



48.6826, 0.3364, 0.3441



48.6826, 0.3234, 0.3505

Sweetspot

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



48.6846, 0.2896, 0.3134



94.4519, 0.3050, 0.3240



53.2115, 0.3028, 0.3531



20.0539, 0.3039, 0.3233



0.0000, 0.0000, 0.0000



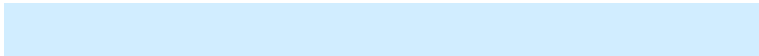
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6846, 0.2896, 0.3134



81.1544, 0.2845, 0.3097



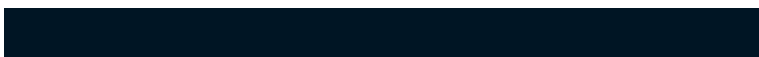
42.7951, 0.2889, 0.2941



11.3284, 0.2984, 0.3195



11.3769, 0.1872, 0.1937



0.6777, 0.1958, 0.2250

Inverse Universe

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



44.6596, 0.3246, 0.3066



73.0039, 0.3276, 0.3016



54.8876, 0.3356, 0.3617



10.7420, 0.3198, 0.3152



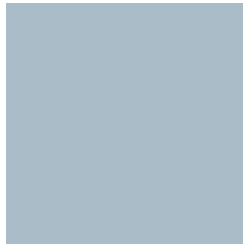
8.6885, 0.4525, 0.2266



0.4254, 0.4179, 0.2076

Previews

White Background



This preview shows how the Yxy color 48.6826, 0.2896, 0.3134 looks on a white background.

Color Contrast Check

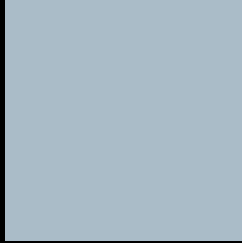
Large Text (above 18pt) WCAG AA × Fail

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 48.6826, 0.2896, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

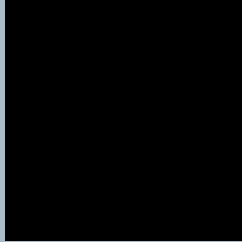
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

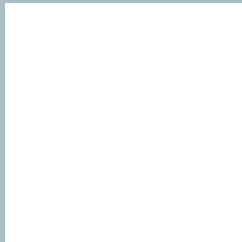
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6826, 0.2896, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 48.6826, 0.2896, 0.3134.

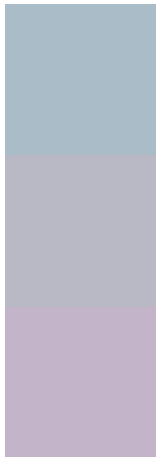


This preview shows how white text looks on a background with the Yxy color 48.6826, 0.2896, 0.3134.

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

48.6826, 0.2896, 0.3134

Protanopia

48.6265, 0.3036, 0.3126

Deuteranopia

48.5089, 0.3081, 0.3020



Tritanopia

48.8243, 0.2875, 0.3096

Trichromacy



Original Color

48.6826, 0.2896, 0.3134

Protanomaly

48.4784, 0.2988, 0.3124

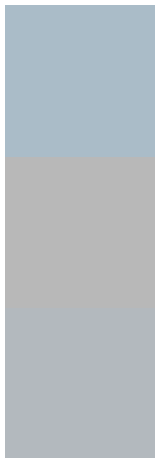
Deuteranomaly

48.5231, 0.3014, 0.3064

Tritanomaly

48.7768, 0.2882, 0.3109

Monochromacy



Original Color

48.6826, 0.2896, 0.3134

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9993, 0.3039, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6826, 0.2896, 0.3134 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(170, 188, 200)` looks like.

```
.text, #text, p{  
    color:rgb(170, 188, 200)  
}
```

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(170, 188, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 188, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.6826, 0.2896, 0.3134 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(170, 188, 200) }
```

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

```
.border{ border-color:rgb(170, 188, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 188, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 188, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 188, 200);  
box-shadow:4px 4px 4px 4px rgb(170, 188,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6826, 0.2896, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 188, 200) }
```

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

```
.background{ background-color: rgb(170,  
188, 200) }
```

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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