

Converting Colors

$Y_{xy}(48.1304, 0.2813, 0.3019)$

Have a look what the booklet for
Yxy(48.1304, 0.2813, 0.3019)
contains.

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Color

Yxy(48.2017, 0.2810, 0.3018)

Conversions

Conversions Part 1

Format	Color
Hex	A6BBD0
RGB	166, 187, 208
RGB Percent	65%, 73%, 82%
CMY	0.3491, 0.2666, 0.1842
CMYK	0.20, 0.10, 0.00, 0.18
HSL	210°, 31%, 73%
HSV	210°, 20%, 82%
XYZ	44.8796, 48.2017, 66.6327
YIQ	183.1150, -19.2570, 2.0790

Conversions

Conversions Part 2

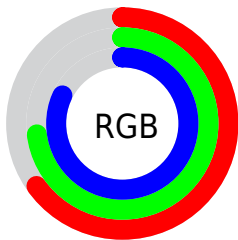
Format	Color
RYB	166, 180, 208
Decimal	10927056
CIELab	74.95, -2.68, -12.99
CIELCh	75, 13.261, 258.322
Yxy	48.2017, 0.2810, 0.3018
Android (android.graphics.Color)	4289117136 (0xFFA6BBD0)
YUV	183.1150, 12.2683, -15.0099
Hunter-Lab	69.4274, -6.1111, -8.3041

Details

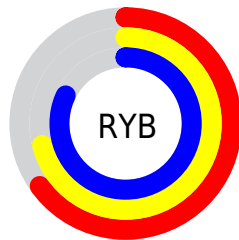
The Yxy color **48.2017, 0.2810, 0.3018** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.7054, 0.3477, 0.3548**, and the grayscale version is **47.3588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6933, 0.2920, 0.3167**, and **22.8940, 0.2716, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **41.8810, 0.2647, 0.2862**, and if you desaturate by 10%, it is **55.2095, 0.2970, 0.3160**.

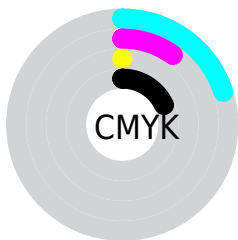
Distribution



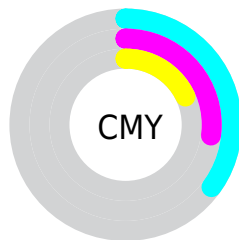
- Red (65%)
- Green (73%)
- Blue (82%)



- Red (65%)
- Yellow (71%)
- Blue (82%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (35%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2017, 0.2810, 0.3018 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 48.2017, 0.2810, 0.3018 by changing the saturation by 10% instead.

■ 48.2017, 0.2810,
0.3018

■ 48.2017, 0.2810,
0.3018

■ 379.5911, 0.2966,
0.3153

■ 33.9866, 0.2772,
0.2985

■ 87.5046, 0.2866,
0.3067

■ 22.8833, 0.2723,
0.2942

■ 113.3613, 0.2888,
0.3085

■ 14.5074, 0.2659,
0.2885

■ 143.8673, 0.2906,
0.3101

■ 8.4744, 0.2571,
0.2807

■ 179.4070, 0.2921,
0.3114

■ 4.4000, 0.2444,
0.2692

■ 220.3649, 0.2935,
0.3126

■ 1.8997, 0.2243,
0.2508

■ 267.1252, 0.2947,

■ 0.5482, 0.1741,

0.3136

0.2096

320.0725, 0.2957,
0.3145

0.0000, 0.0000,
0.0000

48.2017, 0.2810,
0.3018

48.2017, 0.2810,
0.3018

41.8810, 0.2647,
0.2862

55.2095, 0.2970,
0.3160

36.2173, 0.2484,
0.2691

62.9212, 0.3124,
0.3287

31.1867, 0.2326,
0.2509

71.3605, 0.3271,
0.3401

26.7613, 0.2177,
0.2319

80.5479, 0.3409,
0.3501

22.9107, 0.2042,
0.2123

87.5489, 0.3433,
0.3599

■ 19.6007, 0.1928,
0.1928

■ 93.8139, 0.3415,
0.3698

■ 16.7921, 0.1837,
0.1740

■ 97.3356, 0.3405,
0.3750

■ 14.4657, 0.1768,
0.1565

Harmonies

Analogous

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



48.2017, 0.2778, 0.3129



48.2017, 0.2810, 0.3018



48.2017, 0.2925, 0.2982

Triad

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



48.2017, 0.2810, 0.3018



48.2017, 0.3427, 0.3279



48.2017, 0.3149, 0.3577

Complementary

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



48.2017, 0.2810, 0.3018



51.7054, 0.3477, 0.3548

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.



48.2017, 0.3326, 0.3613



48.2017, 0.2810, 0.3018



48.2017, 0.3490, 0.3435

Square

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



48.2017, 0.2810, 0.3018



48.2017, 0.3282, 0.3131



48.2017, 0.3452, 0.3558



48.2017, 0.2970, 0.3457

Rectangle

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



48.2017, 0.2810, 0.3018



48.2017, 0.3036, 0.3001



48.2017, 0.3452, 0.3558



48.2017, 0.3211, 0.3600

Sweetspot

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



48.2037, 0.2810, 0.3018



92.4300, 0.3035, 0.3215



56.7892, 0.2966, 0.3570



19.6129, 0.3024, 0.3206



0.0000, 0.0000, 0.0000



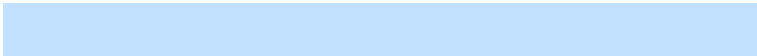
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2037, 0.2810, 0.3018



72.1944, 0.2744, 0.2956



40.1773, 0.2793, 0.2745



12.3806, 0.2982, 0.3171



9.2062, 0.1775, 0.1590



0.6735, 0.1868, 0.1923

Inverse Universe

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



44.2649, 0.3333, 0.3034



65.1587, 0.3384, 0.2980



60.9528, 0.3431, 0.3782



11.9055, 0.3213, 0.3174



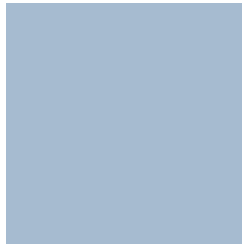
9.0006, 0.4944, 0.2497



0.5193, 0.4541, 0.2275

Previews

White Background



This preview shows how the Yxy color 48.2017, 0.2810, 0.3018 looks on a white background.

Color Contrast Check

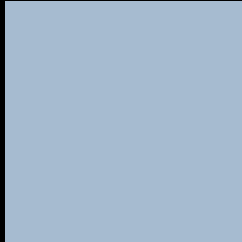
Large Text (above 18pt) WCAG AA × Fail

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 48.2017, 0.2810, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

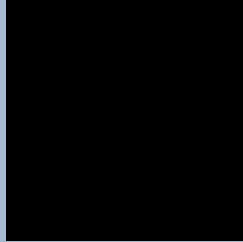
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

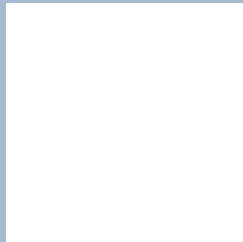
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2017, 0.2810, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 48.2017, 0.2810, 0.3018.



This preview shows how white text looks on a background with the Yxy color 48.2017, 0.2810, 0.3018.

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

48.2017, 0.2810, 0.3018

Protanopia

48.0985, 0.2944, 0.3012

Deuteranopia

47.8405, 0.2979, 0.2909



Tritanopia

48.2776, 0.2838, 0.3094

Trichromacy



Original Color

48.2017, 0.2810, 0.3018

Protanomaly

47.9673, 0.2898, 0.3010

Deuteranomaly

47.8831, 0.2915, 0.2951

Tritanomaly

48.3736, 0.2824, 0.3069

Monochromacy



Original Color

48.2017, 0.2810, 0.3018

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4339, 0.3008, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2017, 0.2810, 0.3018 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(166, 187, 208)` looks like.

```
.text, #text, p{  
    color:rgb(166, 187, 208)  
}
```

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(166, 187, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 187, 208) }
```

Border

The CSS property to change the border of an element to Yxy 48.2017, 0.2810, 0.3018 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(166, 187, 208) }
```

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

```
.border{ border-color:rgb(166, 187, 208) }
```

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

Here you see how a box with a 4 pixel rgb(166, 187, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 187, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 187, 208);  
box-shadow:4px 4px 4px 4px rgb(166, 187,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2017, 0.2810, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 187, 208) }
```

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

```
.background{ background-color: rgb(166,  
187, 208) }
```

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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