

Converting Colors

$Y_{xy}(48.1129, 0.2806, 0.3067)$

Have a look what the booklet for
Yxy(48.1129, 0.2806, 0.3067)
contains.

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Color

Yxy(48.1607, 0.2809, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	A3BCCD
RGB	163, 188, 205
RGB Percent	64%, 74%, 80%
CMY	0.3611, 0.2627, 0.1961
CMYK	0.21, 0.08, 0.00, 0.20
HSL	204°, 30%, 72%
HSV	204°, 21%, 80%
XYZ	44.0950, 48.1607, 64.7218
YIQ	182.4630, -20.3570, -0.0130

Conversions

Conversions Part 2

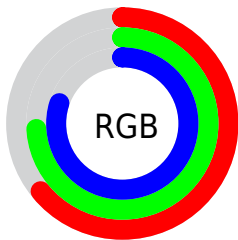
Format	Color
RYB	163, 179, 205
Decimal	10730701
CIELab	74.93, -4.86, -11.39
CIElCh	75, 12.384, 246.916
Yxy	48.1607, 0.2809, 0.3068
Android (android.graphics.Color)	4288920781 (0xFFA3BCCD)
YUV	182.4630, 11.1107, -17.0691
Hunter-Lab	69.3979, -8.0286, -6.7165

Details

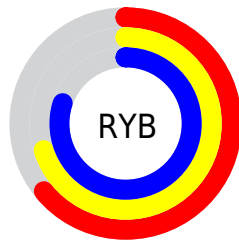
The Yxy color **48.1607, 0.2809, 0.3068** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2208, 0.3492, 0.3502**, and the grayscale version is **46.9858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8268, 0.2902, 0.3177**, and **22.9418, 0.2725, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **42.7393, 0.2652, 0.2943**, and if you desaturate by 10%, it is **54.1392, 0.2966, 0.3182**.

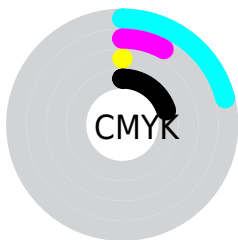
Distribution



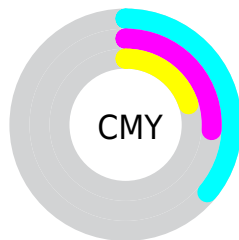
- Red (64%)
- Green (74%)
- Blue (80%)



- Red (64%)
- Yellow (70%)
- Blue (80%)



- Cyan (21%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (36%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1607, 0.2809, 0.3068 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 48.1607, 0.2809, 0.3068 by changing the saturation by 10% instead.

■ 48.1607, 0.2809,
0.3068

■ 48.1607, 0.2809,
0.3068

■ 379.4287, 0.2966,
0.3179

■ 33.9542, 0.2771,
0.3040

■ 87.4436, 0.2865,
0.3108

■ 22.8584, 0.2722,
0.3005

■ 113.2888, 0.2887,
0.3124

■ 14.4890, 0.2658,
0.2957

■ 143.7823, 0.2905,
0.3136

■ 8.4615, 0.2570,
0.2891

■ 179.3086, 0.2920,
0.3147

■ 4.3917, 0.2442,
0.2793

■ 220.2519, 0.2934,
0.3157

■ 1.8950, 0.2240,
0.2634

■ 266.9968, 0.2946,

■ 0.5454, 0.1665,

0.3165

0.2271

319.9276, 0.2956,
0.3173

0.0000, 0.0000,
0.0000

48.1607, 0.2809,
0.3068

48.1607, 0.2809,
0.3068

42.7393, 0.2652,
0.2943

54.1392, 0.2966,
0.3182

37.8489, 0.2499,
0.2807

60.6878, 0.3119,
0.3285

33.4696, 0.2353,
0.2663

67.8266, 0.3268,
0.3377

29.5780, 0.2218,
0.2511

75.5727, 0.3411,
0.3458

26.1481, 0.2098,
0.2355

81.9109, 0.3470,
0.3537

■ 23.1507, 0.1998,
0.2199

■ 86.6066, 0.3455,
0.3617

■ 20.5517, 0.1919,
0.2044

■ 91.5234, 0.3440,
0.3696

■ 18.3987, 0.1862,
0.1901

■ 96.6642, 0.3425,
0.3773

■ 97.1873, 0.3424,
0.3780

Harmonies

Analogous

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



48.1607, 0.2811, 0.3193



48.1607, 0.2809, 0.3068



48.1607, 0.2890, 0.3006

Triad

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



48.1607, 0.2809, 0.3068



48.1607, 0.3363, 0.3225



48.1607, 0.3213, 0.3581

Complementary

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



48.1607, 0.2809, 0.3068



48.2208, 0.3492, 0.3502

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.



48.1607, 0.3366, 0.3582



48.1607, 0.2809, 0.3068



48.1607, 0.3454, 0.3372

Square

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



48.1607, 0.2809, 0.3068



48.1607, 0.3208, 0.3097



48.1607, 0.3455, 0.3503



48.1607, 0.3041, 0.3496

Rectangle

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



48.1607, 0.2809, 0.3068



48.1607, 0.2981, 0.3005



48.1607, 0.3455, 0.3503



48.1607, 0.3269, 0.3591

Sweetspot

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



48.1627, 0.2809, 0.3068



93.3378, 0.3034, 0.3229



54.7220, 0.2987, 0.3622



19.8275, 0.3024, 0.3222



0.0000, 0.0000, 0.0000



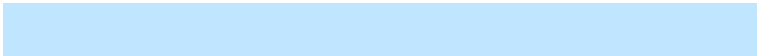
21.4041, 0.3127, 0.3290

Same Dimension

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



48.1627, 0.2809, 0.3068



74.5239, 0.2734, 0.3009



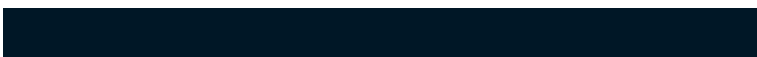
39.8743, 0.2791, 0.2785



11.9382, 0.2983, 0.3194



11.6458, 0.1868, 0.1923



0.7472, 0.1950, 0.2218

Inverse Universe

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



42.7795, 0.3300, 0.2982



64.3037, 0.3349, 0.2906



57.2918, 0.3443, 0.3749



11.3241, 0.3198, 0.3153



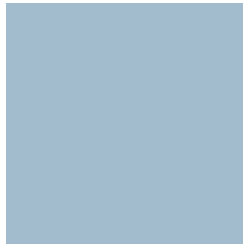
8.9786, 0.4541, 0.2275



0.4780, 0.4213, 0.2094

Previews

White Background



This preview shows how the Yxy color 48.1607, 0.2809, 0.3068 looks on a white background.

Color Contrast Check

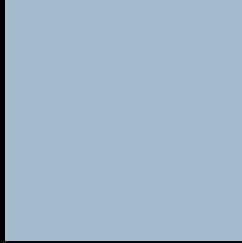
Large Text (above 18pt) WCAG AA × Fail

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 48.1607, 0.2809, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

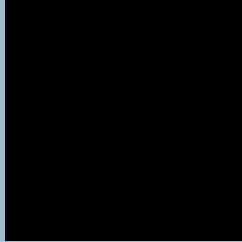
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

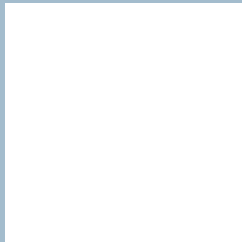
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1607, 0.2809, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 48.1607, 0.2809, 0.3068.



This preview shows how white text looks on a background with the Yxy color 48.1607, 0.2809, 0.3068.

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

48.1607, 0.2809, 0.3068

Protanopia

48.0763, 0.2974, 0.3050

Deuteranopia

47.8216, 0.3010, 0.2945



Tritanopia

48.0648, 0.2823, 0.3093

Trichromacy



Original Color

48.1607, 0.2809, 0.3068

Protanomaly

48.1237, 0.2912, 0.3059

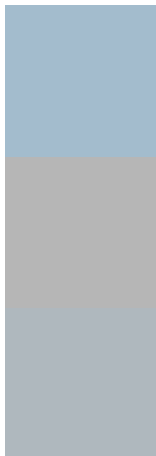
Deuteranomaly

47.7359, 0.2937, 0.2987

Tritanomaly

48.1126, 0.2816, 0.3080

Monochromacy



Original Color

48.1607, 0.2809, 0.3068

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.1126, 0.3007, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1607, 0.2809, 0.3068 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(163, 188, 205)` looks like.

```
.text, #text, p{  
    color:rgb(163, 188, 205)  
}
```

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(163, 188, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 188, 205) }
```

Border

The CSS property to change the border of an element to Yxy 48.1607, 0.2809, 0.3068 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(163, 188, 205) }
```

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

```
.border{ border-color:rgb(163, 188, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 188, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 188, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 188, 205);  
box-shadow:4px 4px 4px 4px rgb(163, 188,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1607, 0.2809, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 188, 205) }
```

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

```
.background{ background-color: rgb(163,  
188, 205) }
```

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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