

Converting Colors

$Yxy(47.1907, 0.2868, 0.3071)$

Have a look what the booklet for
Yxy(47.1907, 0.2868, 0.3071)
contains.

Yxy(47.2870, 0.2865, 0.3068)	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(47.2870, 0.2865, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	A8B9CA
RGB	168, 185, 202
RGB Percent	66%, 73%, 79%
CMY	0.3412, 0.2745, 0.2078
CMYK	0.17, 0.08, 0.00, 0.21
HSL	210°, 24%, 73%
HSV	210°, 17%, 79%
XYZ	44.1582, 47.2870, 62.6846
YIQ	181.8550, -15.5890, 1.6830

Conversions

Conversions Part 2

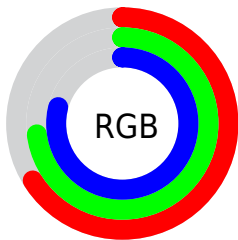
Format	Color
R _Y B	168, 179, 202
Decimal	11057610
CIE Lab	74.37, -2.29, -10.56
CIE LCh	74, 10.807, 257.787
Yxy	47.2870, 0.2865, 0.3068
Android (android.graphics.Color)	4289247690 (0xFFA8B9CA)
YUV	181.8550, 9.9315, -12.1508
Hunter-Lab	68.7655, -5.7150, -5.9111

Details

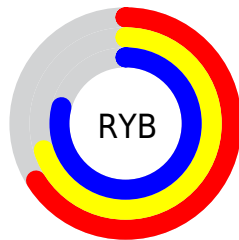
The Yxy color **47.2870, 0.2865, 0.3068** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0852, 0.3411, 0.3502**, and the grayscale version is **46.6483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8186, 0.2931, 0.3147**, and **22.3537, 0.2796, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **41.1640, 0.2703, 0.2917**, and if you desaturate by 10%, it is **54.0586, 0.3023, 0.3205**.

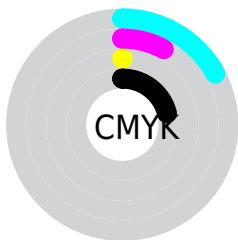
Distribution



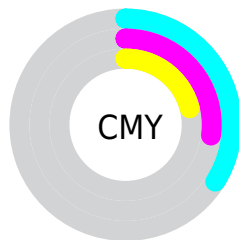
- Red (66%)
- Green (73%)
- Blue (79%)



- Red (66%)
- Yellow (70%)
- Blue (79%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)
- Black (21%)



- Cyan (34%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2870, 0.2865, 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 47.2870, 0.2865, 0.3068 by changing the saturation by 10% instead.

■ 47.2870, 0.2865,
0.3068

■ 47.2870, 0.2865,
0.3068

■ 375.9590, 0.2995,
0.3179

■ 33.2626, 0.2833,
0.3040

■ 86.1419, 0.2912,
0.3108

■ 22.3277, 0.2792,
0.3005

■ 111.7411, 0.2930,
0.3123

■ 14.0979, 0.2738,
0.2958

■ 141.9674, 0.2945,
0.3136

■ 8.1888, 0.2663,
0.2893

■ 177.2052, 0.2958,
0.3147

■ 4.2160, 0.2554,
0.2796

■ 217.8389, 0.2969,
0.3157

■ 1.7951, 0.2378,
0.2638

■ 264.2528, 0.2979,

■ 0.4841, 0.1849,

0.3165

0.2214

316.8314, 0.2987,
0.3172

0.0000, 0.0000,
0.0000

47.2870, 0.2865,
0.3068

47.2870, 0.2865,
0.3068

41.1640, 0.2703,
0.2917

54.0586, 0.3023,
0.3205

35.6618, 0.2540,
0.2751

61.4937, 0.3174,
0.3327

30.7587, 0.2380,
0.2573

69.6142, 0.3318,
0.3436

26.4295, 0.2227,
0.2386

78.4388, 0.3453,
0.3531

22.6468, 0.2087,
0.2192

85.2328, 0.3479,
0.3627

■ 19.3800, 0.1966,
0.1996

■ 91.1985, 0.3459,
0.3723

■ 16.5946, 0.1866,
0.1805

■ 97.0449, 0.3442,
0.3810

■ 14.2468, 0.1790,
0.1623

■ 13.5735, 0.1769,
0.1568

Harmonies

Analogous

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



47.2870, 0.2839, 0.3161



47.2870, 0.2865, 0.3068



47.2870, 0.2959, 0.3036

Triad

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



47.2870, 0.2865, 0.3068



47.2870, 0.3371, 0.3280



47.2870, 0.3148, 0.3525

Complementary

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



47.2870, 0.2865, 0.3068



50.0852, 0.3411, 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.



47.2870, 0.3293, 0.3554



47.2870, 0.2865, 0.3068



47.2870, 0.3424, 0.3408

Square

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



47.2870, 0.2865, 0.3068



47.2870, 0.3252, 0.3157



47.2870, 0.3395, 0.3510



47.2870, 0.3001, 0.3428

Rectangle

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



47.2870, 0.2865, 0.3068



47.2870, 0.3050, 0.3051



47.2870, 0.3395, 0.3510



47.2870, 0.3199, 0.3543

Sweetspot

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



47.2890, 0.2865, 0.3068



93.6613, 0.3050, 0.3228



54.0746, 0.2989, 0.3511



19.8617, 0.3039, 0.3218



0.0000, 0.0000, 0.0000



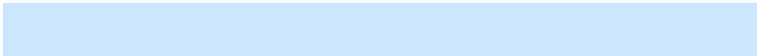
21.4041, 0.3127, 0.3290

Same Dimension

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



47.2890, 0.2865, 0.3068



76.3731, 0.2810, 0.3018



40.5928, 0.2854, 0.2839



11.7552, 0.2983, 0.3171



8.9114, 0.1775, 0.1591



0.6115, 0.1874, 0.1946

Inverse Universe

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



44.0649, 0.3293, 0.3079



70.1308, 0.3333, 0.3034



57.6327, 0.3378, 0.3704



11.3057, 0.3213, 0.3175



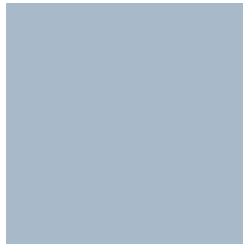
8.7026, 0.4942, 0.2496



0.4643, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 47.2870, 0.2865, 0.3068 looks on a white background.

Color Contrast Check

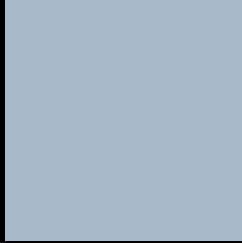
Large Text (above 18pt) WCAG AA × Fail

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 47.2870, 0.2865, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

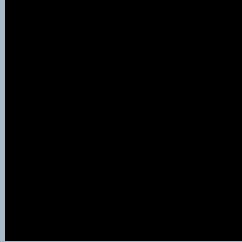
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

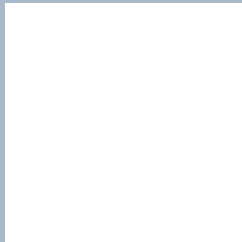
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2870, 0.2865, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 47.2870, 0.2865, 0.3068.



This preview shows how white text looks on a background with the Yxy color 47.2870, 0.2865, 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

47.2870, 0.2865, 0.3068

Protanopia

47.0416, 0.2981, 0.3048

Deuteranopia

47.2290, 0.3040, 0.2980



Tritanopia

47.1929, 0.2879, 0.3094

Trichromacy



Original Color

47.2870, 0.2865, 0.3068

Protanomaly

46.9030, 0.2933, 0.3045

Deuteranomaly

47.4268, 0.2974, 0.3012

Tritanomaly

47.2398, 0.2872, 0.3081

Monochromacy



Original Color

47.2870, 0.2865, 0.3068

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8882, 0.3031, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2870, 0.2865, 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(168, 185, 202)` looks like.

```
.text, #text, p{  
    color:rgb(168, 185, 202)  
}
```

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(168, 185, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 185, 202) }
```

Border

The CSS property to change the border of an element to Yxy 47.2870, 0.2865, 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(168, 185, 202) }
```

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

```
.border{ border-color:rgb(168, 185, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 185, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 185, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 185, 202); box-shadow:4px 4px 4px 4px rgb(168, 185, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2870, 0.2865, 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(168, 185, 202) }
```

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

```
.background{ background-color: rgb(168,  
185, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor