

Converting Colors

$Y_{xy}(45.9695, 0.2905, 0.3117)$

Have a look what the booklet for
Yxy(45.9695, 0.2905, 0.3117)
contains.

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Color

Yxy(46.1773, 0.2907, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	A8B7C4
RGB	168, 183, 196
RGB Percent	66%, 72%, 77%
CMY	0.3410, 0.2824, 0.2314
CMYK	0.14, 0.07, 0.00, 0.23
HSL	208°, 19%, 71%
HSV	208°, 14%, 77%
XYZ	43.0524, 46.1773, 58.8694
YIQ	179.9970, -13.1130, 0.8630

Conversions

Conversions Part 2

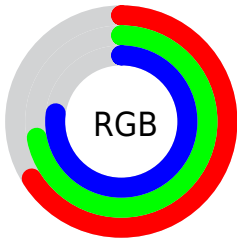
Format	Color
RYB	168, 178, 196
Decimal	11057092
CIELab	73.66, -2.47, -8.35
CIELCh	74, 8.704, 253.483
Yxy	46.1773, 0.2907, 0.3118
Android (android.graphics.Color)	4289247172 (0xFFA8B7C4)
YUV	179.9970, 7.8895, -10.5214
Hunter-Lab	67.9539, -5.8300, -3.7960

Details

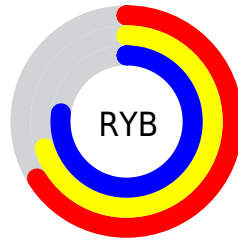
The Yxy color **46.1773, 0.2907, 0.3118** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.6343, 0.3365, 0.3456**, and the grayscale version is **45.6067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5128, 0.2942, 0.3146**, and **21.6313, 0.2850, 0.3072** is the 20% darker color. If you saturate the color by 10%, you get **40.5458, 0.2748, 0.2981**, and if you desaturate by 10%, it is **52.3807, 0.3063, 0.3241**.

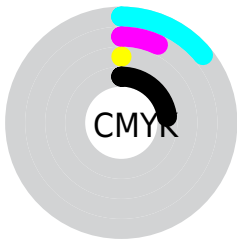
Distribution



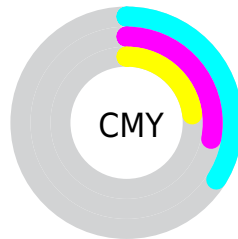
- Red (66%)
- Green (72%)
- Blue (77%)



- Red (66%)
- Yellow (70%)
- Blue (77%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)



- Cyan (34%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1773, 0.2907, 0.3118 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 46.1773, 0.2907, 0.3118 by changing the saturation by 10% instead.

■ 46.1773, 0.2907,
0.3118

■ 46.1773, 0.2907,
0.3118

■ 371.5210, 0.3017,
0.3205

■ 32.3858, 0.2880,
0.3096

■ 84.4843, 0.2947,
0.3150

■ 21.6563, 0.2845,
0.3068

■ 109.7685, 0.2962,
0.3161

■ 13.6046, 0.2799,
0.3031

■ 139.6524, 0.2974,
0.3171

■ 7.8462, 0.2734,
0.2979

■ 174.5204, 0.2985,
0.3180

■ 3.9967, 0.2639,
0.2900

■ 214.7569, 0.2995,
0.3187

■ 1.6717, 0.2483,
0.2770

■ 260.7462, 0.3003,

■ 0.4052, 0.1849,

0.3194

0.2308

312.8728, 0.3010,
0.3199

0.0000, 0.0000,
0.0000

46.1773, 0.2907,
0.3118

46.1773, 0.2907,
0.3118

40.5458, 0.2748,
0.2981

52.3807, 0.3063,
0.3241

35.4614, 0.2588,
0.2832

59.1683, 0.3212,
0.3352

30.9059, 0.2430,
0.2670

66.5592, 0.3355,
0.3450

26.8573, 0.2280,
0.2499

74.5696, 0.3489,
0.3536

23.2921, 0.2141,
0.2320

81.0599, 0.3534,
0.3621

■ 20.1842, 0.2020,
0.2139

■ 86.2285, 0.3514,
0.3709

■ 17.5041, 0.1918,
0.1959

■ 91.6661, 0.3495,
0.3795

■ 15.2169, 0.1840,
0.1785

■ 96.7656, 0.3478,
0.3870

■ 14.0481, 0.1803,
0.1689

Harmonies

Analogous

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



46.1773, 0.2895, 0.3200



46.1773, 0.2907, 0.3118



46.1773, 0.2977, 0.3083

Triad

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



46.1773, 0.2907, 0.3118



46.1773, 0.3314, 0.3267



46.1773, 0.3163, 0.3487

Complementary

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



46.1773, 0.2907, 0.3118



47.6343, 0.3365, 0.3456

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.



46.1773, 0.3277, 0.3502



46.1773, 0.2907, 0.3118



46.1773, 0.3365, 0.3373

Square

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



46.1773, 0.2907, 0.3118



46.1773, 0.3212, 0.3169



46.1773, 0.3352, 0.3459



46.1773, 0.3041, 0.3416

Rectangle

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



46.1773, 0.2907, 0.3118



46.1773, 0.3048, 0.3090



46.1773, 0.3352, 0.3459



46.1773, 0.3203, 0.3499

Sweetspot

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



46.1792, 0.2907, 0.3118



95.1256, 0.3066, 0.3244



51.1314, 0.3019, 0.3493



20.1688, 0.3054, 0.3235



0.0000, 0.0000, 0.0000



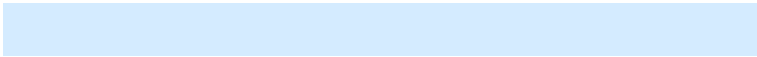
21.4041, 0.3127, 0.3290

Same Dimension

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



46.1792, 0.2907, 0.3118



80.4837, 0.2859, 0.3078



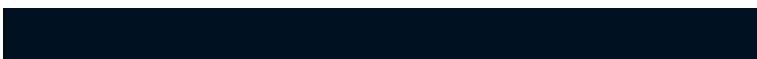
40.8556, 0.2901, 0.2934



10.6198, 0.2984, 0.3180



9.2001, 0.1809, 0.1712



0.5344, 0.1916, 0.2096

Inverse Universe

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



43.1760, 0.3255, 0.3101



74.1604, 0.3286, 0.3059



53.4182, 0.3341, 0.3622



10.1659, 0.3207, 0.3168



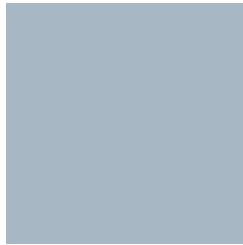
8.2110, 0.4792, 0.2413



0.3686, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 46.1773, 0.2907, 0.3118 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 46.1773, 0.2907, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

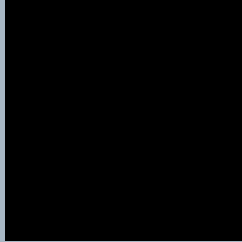
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

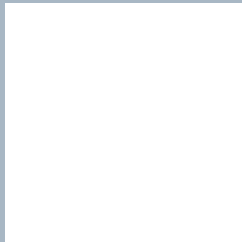
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1773, 0.2907, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 46.1773, 0.2907, 0.3118.

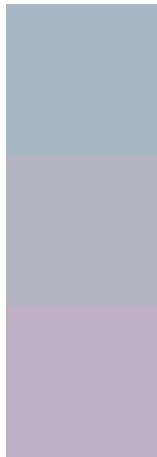


This preview shows how white text looks on a background with the Yxy color 46.1773, 0.2907, 0.3118.

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

46.1773, 0.2907, 0.3118

Protanopia

46.2409, 0.3018, 0.3109

Deuteranopia

46.1583, 0.3088, 0.3027



Tritanopia

46.2230, 0.2899, 0.3105

Trichromacy



Original Color

46.1773, 0.2907, 0.3118

Protanomaly

46.2180, 0.2977, 0.3108

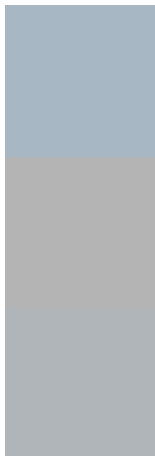
Deuteranomaly

46.3387, 0.3020, 0.3060

Tritanomaly

46.2230, 0.2899, 0.3105

Monochromacy



Original Color

46.1773, 0.2907, 0.3118

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.8230, 0.3046, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1773, 0.2907, 0.3118 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, 183, 196)` looks like.

```
.text, #text, p{  
    color:rgb(168, 183, 196)  
}
```

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, 183, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 183, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.1773, 0.2907, 0.3118 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, 183, 196) }
```

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

```
.border{ border-color:rgb(168, 183, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 183, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 183, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 183, 196);  
box-shadow:4px 4px 4px 4px rgb(168, 183,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1773, 0.2907, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 183, 196) }
```

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

```
.background{ background-color: rgb(168,  
183, 196) }
```

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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