

Converting Colors

$Y_{xy}(46.2060, 0.2877, 0.3079)$

Have a look what the booklet for
Yxy(46.2060, 0.2877, 0.3079)
contains.

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Color

Yxy(46.2060, 0.2877, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	A7B7C7
RGB	167, 183, 199
RGB Percent	65%, 72%, 78%
CMY	0.3452, 0.2823, 0.2195
CMYK	0.16, 0.08, 0.00, 0.22
HSL	210°, 22%, 72%
HSV	210°, 16%, 78%
XYZ	43.1746, 46.2060, 60.6876
YIQ	180.0400, -14.6720, 1.5840

Conversions

Conversions Part 2

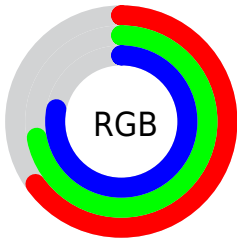
Format	Color
RYB	167, 178, 199
Decimal	10991559
CIELab	73.68, -2.19, -9.97
CIELCh	74, 10.211, 257.606
Yxy	46.2060, 0.2877, 0.3079
Android (android.graphics.Color)	4289181639 (0xFFA7B7C7)
YUV	180.0400, 9.3473, -11.4361
Hunter-Lab	67.9750, -5.5812, -5.3512

Details

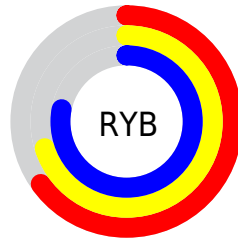
The Yxy color $46.2060, 0.2877, 0.3079$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $48.7897, 0.3397, 0.3492$, and the grayscale version is $45.6177, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.4826, 0.2924, 0.3126$, and $21.6544, 0.2811, 0.3019$ is the 20% darker color. If you saturate the color by 10%, you get $40.2482, 0.2715, 0.2929$, and if you desaturate by 10%, it is $52.7907, 0.3034, 0.3214$.

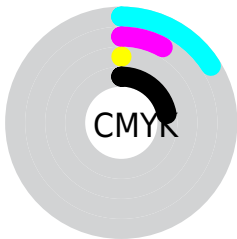
Distribution



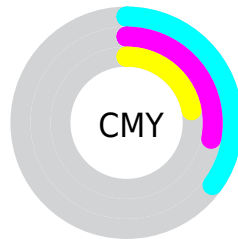
- Red (65%)
- Green (72%)
- Blue (78%)



- Red (65%)
- Yellow (70%)
- Blue (78%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (35%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2060, 0.2877, 0.3079 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 46.2060, 0.2877, 0.3079 by changing the saturation by 10% instead.

■ 46.2060, 0.2877,
0.3079

■ 46.2060, 0.2877,
0.3079

■ 371.6362, 0.3002,
0.3185

■ 32.4084, 0.2846,
0.3053

■ 84.5272, 0.2922,
0.3118

■ 21.6736, 0.2807,
0.3018

■ 109.8196, 0.2939,
0.3132

■ 13.6173, 0.2754,
0.2973

■ 139.7124, 0.2953,
0.3144

■ 7.8550, 0.2682,
0.2910

■ 174.5900, 0.2966,
0.3155

■ 4.0023, 0.2574,
0.2815

■ 214.8368, 0.2976,
0.3164

■ 1.6748, 0.2400,
0.2660

■ 260.8372, 0.2986,

■ 0.4073, 0.1763,

0.3172

0.2152

312.9755, 0.2994,
0.3179

0.0000, 0.0000,
0.0000

46.2060, 0.2877,
0.3079

46.2060, 0.2877,
0.3079

40.2482, 0.2715,
0.2929

52.7907, 0.3034,
0.3214

34.8906, 0.2553,
0.2765

60.0166, 0.3185,
0.3335

30.1123, 0.2392,
0.2588

67.9046, 0.3328,
0.3443

25.8894, 0.2239,
0.2402

76.4729, 0.3462,
0.3537

22.1955, 0.2098,
0.2208

83.4970, 0.3504,
0.3630

■ 19.0015, 0.1975,
0.2013

■ 89.2746, 0.3484,
0.3725

■ 16.2744, 0.1874,
0.1822

■ 95.3741, 0.3464,
0.3818

■ 13.9743, 0.1796,
0.1640

■ 96.9045, 0.3460,
0.3840

■ 13.1676, 0.1770,
0.1571

Harmonies

Analogous

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



46.2060, 0.2853, 0.3168



46.2060, 0.2877, 0.3079



46.2060, 0.2967, 0.3048

Triad

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



46.2060, 0.2877, 0.3079



46.2060, 0.3359, 0.3280



46.2060, 0.3148, 0.3514

Complementary

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



46.2060, 0.2877, 0.3079



48.7897, 0.3397, 0.3492

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.



46.2060, 0.3286, 0.3541



46.2060, 0.2877, 0.3079



46.2060, 0.3410, 0.3402

Square

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



46.2060, 0.2877, 0.3079



46.2060, 0.3245, 0.3163



46.2060, 0.3382, 0.3499



46.2060, 0.3008, 0.3422

Rectangle

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



46.2060, 0.2877, 0.3079



46.2060, 0.3053, 0.3062



46.2060, 0.3382, 0.3499



46.2060, 0.3197, 0.3531

Sweetspot

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



46.2079, 0.2877, 0.3079



93.6659, 0.3050, 0.3228



52.4643, 0.2998, 0.3507



19.8628, 0.3039, 0.3219



0.0000, 0.0000, 0.0000



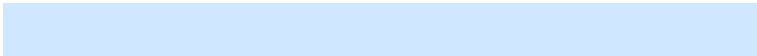
21.4041, 0.3127, 0.3290

Same Dimension

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



46.2079, 0.2877, 0.3079



77.4627, 0.2826, 0.3033



40.1568, 0.2868, 0.2869



11.1501, 0.2983, 0.3172



8.6405, 0.1777, 0.1595



0.5540, 0.1882, 0.1974

Inverse Universe

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



43.1889, 0.3284, 0.3089



71.4263, 0.3321, 0.3047



55.5444, 0.3367, 0.3679



10.7240, 0.3213, 0.3175



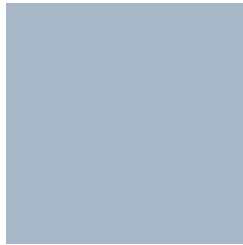
8.4122, 0.4937, 0.2493



0.4129, 0.4482, 0.2243

Previews

White Background



This preview shows how the Yxy color 46.2060, 0.2877, 0.3079 looks on a white background.

Color Contrast Check

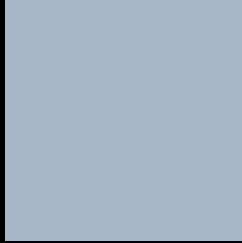
Large Text (above 18pt) WCAG AA × Fail

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 46.2060, 0.2877, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

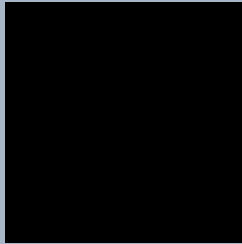
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

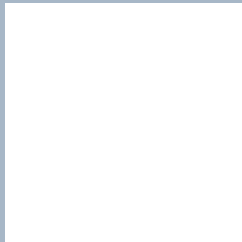
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2060, 0.2877, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 46.2060, 0.2877, 0.3079.



This preview shows how white text looks on a background with the Yxy color 46.2060, 0.2877, 0.3079.

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

46.2060, 0.2877, 0.3079

Protanopia

46.2574, 0.2987, 0.3071

Deuteranopia

46.0396, 0.3047, 0.2989



Tritanopia

46.1597, 0.2885, 0.3092

Trichromacy



Original Color

46.2060, 0.2877, 0.3079

Protanomaly

46.2389, 0.2947, 0.3069

Deuteranomaly

46.2341, 0.2980, 0.3022

Tritanomaly

46.1597, 0.2885, 0.3092

Monochromacy



Original Color

46.2060, 0.2877, 0.3079

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7496, 0.3030, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2060, 0.2877, 0.3079 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(167, 183, 199)` looks like.

```
.text, #text, p{  
    color:rgb(167, 183, 199)  
}
```

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(167, 183, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 183, 199) }
```

Border

The CSS property to change the border of an element to Yxy 46.2060, 0.2877, 0.3079 is called "border". The border property can be set on classes, ids or directly on the HTML element.

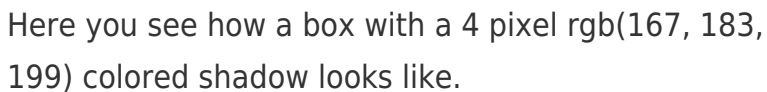
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 183, 199) }
```

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

```
.border{ border-color:rgb(167, 183, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 183, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 183, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 183, 199);  
box-shadow:4px 4px 4px 4px rgb(167, 183,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2060, 0.2877, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 183, 199) }
```

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

```
.background{ background-color: rgb(167,  
183, 199) }
```

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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