

Converting Colors

$Y_{xy}(46.2078, 0.2856, 0.2864)$

Have a look what the booklet for
Yxy(46.2078, 0.2856, 0.2864)
contains.

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Color

Yxy(46.3408, 0.2861, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	B1B3D4
RGB	177, 179, 212
RGB Percent	69%, 70%, 83%
CMY	0.3056, 0.2981, 0.1686
CMYK	0.16, 0.16, 0.00, 0.17
HSL	237°, 29%, 76%
HSV	237°, 16%, 83%
XYZ	46.1472, 46.3408, 68.8096
YIQ	182.1640, -11.7850, 9.8390

Conversions

Conversions Part 2

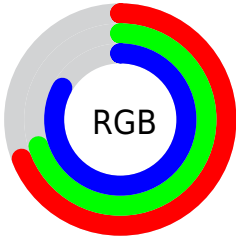
Format	Color
R_{YB}	177, 179, 212
Decimal	11645908
CIE _{Lab}	73.77, 6.06, -16.86
CIE _{LCh}	74, 17.916, 289.766
Yxy	46.3408, 0.2861, 0.2873
Android (android.graphics.Color)	4289835988 (0xFFB1B3D4)
YUV	182.1640, 14.7091, -4.5288
Hunter-Lab	68.0741, 1.8751, -12.2787

Details

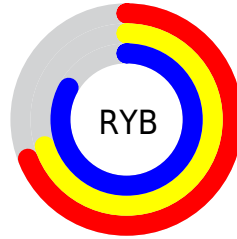
The Yxy color $46.3408, 0.2861, 0.2873$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $63.3170, 0.3377, 0.3675$, and the grayscale version is $46.8022, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9603, 0.2993, 0.3088$, and $21.6411, 0.2787, 0.2760$ is the 20% darker color. If you saturate the color by 10%, you get $36.5865, 0.2675, 0.2578$, and if you desaturate by 10%, it is $57.6527, 0.3029, 0.3136$.

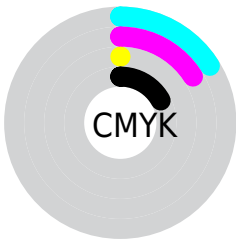
Distribution



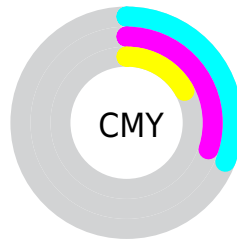
- Red (69%)
- Green (70%)
- Blue (83%)



- Red (69%)
- Yellow (70%)
- Blue (83%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (31%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3408, 0.2861, 0.2873 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 46.3408, 0.2861, 0.2873 by changing the saturation by 10% instead.

■ 46.3408, 0.2861,
0.2873

■ 46.3408, 0.2861,
0.2873

372.1771, 0.2994,
0.3078

■ 32.5148, 0.2828,
0.2823

■ 84.7288, 0.2909,
0.2946

■ 21.7550, 0.2785,
0.2760

110.0596, 0.2928,
0.2974

■ 13.6770, 0.2729,
0.2678

139.9942, 0.2943,
0.2998

■ 7.8964, 0.2651,
0.2565

174.9169, 0.2956,
0.3018

■ 4.0287, 0.2535,
0.2403

215.2122, 0.2968,
0.3036

■ 1.6896, 0.2350,
0.2153

261.2644, 0.2978,

■ 0.4169, 0.1972,

0.3052

0.1511

313.4579, 0.2986,
0.3065

0.0000, 0.0000,
0.0000

46.3408, 0.2861,
0.2873

46.3408, 0.2861,
0.2873

36.5865, 0.2675,
0.2578

57.6527, 0.3029,
0.3136

28.3162, 0.2474,
0.2257

70.5803, 0.3177,
0.3368

21.4589, 0.2264,
0.1918

85.1857, 0.3307,
0.3569

15.9354, 0.2057,
0.1578

97.5343, 0.3381,
0.3711

11.6589, 0.1866,
0.1260

■ 8.5322, 0.1706,
0.0987

■ 6.4435, 0.1590,
0.0782

■ 5.2576, 0.1523,
0.0656

■ 5.0087, 0.1508,
0.0629

Harmonies

Analogous

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



46.3408, 0.2702, 0.2914



46.3408, 0.2861, 0.2873



46.3408, 0.3096, 0.2935

Triad

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



46.3408, 0.2861, 0.2873



46.3408, 0.3626, 0.3493



46.3408, 0.2900, 0.3510

Complementary

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



46.3408, 0.2861, 0.2873



63.3170, 0.3377, 0.3675

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.



46.3408, 0.3142, 0.3682



46.3408, 0.2861, 0.2873



46.3408, 0.3566, 0.3661

Square

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



46.3408, 0.2861, 0.2873



46.3408, 0.3546, 0.3283



46.3408, 0.3386, 0.3736



46.3408, 0.2723, 0.3275

Rectangle

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



46.3408, 0.2861, 0.2873



46.3408, 0.3267, 0.3026



46.3408, 0.3386, 0.3736



46.3408, 0.2976, 0.3578

Sweetspot

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



46.3427, 0.2861, 0.2873



90.2129, 0.3051, 0.3172



61.0871, 0.2894, 0.3318



19.0258, 0.3040, 0.3154



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.



46.3427, 0.2861, 0.2873



64.5867, 0.2794, 0.2767



47.4578, 0.2982, 0.2864



12.1170, 0.2981, 0.3062



3.1383, 0.1511, 0.0637



0.2287, 0.1543, 0.0753

Inverse Universe

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



48.7231, 0.3422, 0.3268



68.9410, 0.3505, 0.3262



62.1246, 0.3255, 0.3712



12.4318, 0.3283, 0.3278



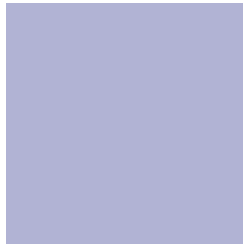
8.6617, 0.6337, 0.3265



0.5264, 0.6145, 0.3159

Previews

White Background



This preview shows how the Yxy color 46.3408, 0.2861, 0.2873 looks on a white background.

Color Contrast Check

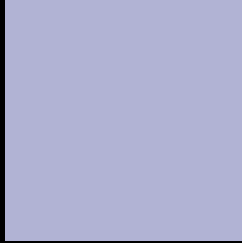
Large Text (above 18pt) WCAG AA × Fail

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 46.3408, 0.2861, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

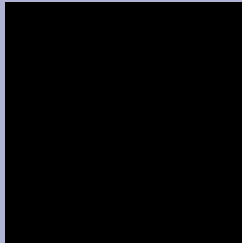
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

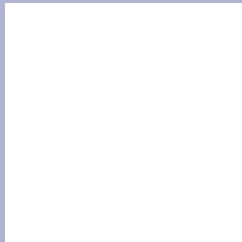
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3408, 0.2861, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 46.3408, 0.2861, 0.2873.



This preview shows how white text looks on a background with the Yxy color 46.3408, 0.2861, 0.2873.

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

46.3408, 0.2861, 0.2873

Protanopia

46.5099, 0.2846, 0.2885

Deuteranopia

46.3881, 0.2915, 0.2855



Tritanopia

46.4401, 0.2954, 0.3107

Trichromacy



Original Color

46.3408, 0.2861, 0.2873

Protanomaly

46.6261, 0.2853, 0.2885

Deuteranomaly

46.4180, 0.2892, 0.2864

Tritanomaly

46.4260, 0.2918, 0.3019

Monochromacy



Original Color

46.3408, 0.2861, 0.2873

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.6013, 0.3025, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3408, 0.2861, 0.2873 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(177, 179, 212)` looks like.

```
.text, #text, p{  
    color:rgb(177, 179, 212)  
}
```

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(177, 179, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 179, 212) }
```

Border

The CSS property to change the border of an element to Yxy 46.3408, 0.2861, 0.2873 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(177, 179, 212) }
```

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

```
.border{ border-color:rgb(177, 179, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 179, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 179, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 179, 212); box-shadow:4px 4px 4px 4px rgb(177, 179, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3408, 0.2861, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 179, 212) }
```

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

```
.background{ background-color: rgb(177,  
179, 212) }
```

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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