

Converting Colors

$Y_{xy}(46.6789, 0.2850, 0.2762)$

Have a look what the booklet for
Yxy(46.6789, 0.2850, 0.2762)
contains.

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Color

Yxy(46.6789, 0.2850, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	B7B1DC
RGB	183, 177, 220
RGB Percent	72%, 69%, 86%
CMY	0.2823, 0.3059, 0.1374
CMYK	0.17, 0.20, 0.00, 0.14
HSL	248°, 38%, 78%
HSV	248°, 20%, 86%
XYZ	48.1661, 46.6789, 74.1589
YIQ	183.6960, -10.2270, 14.6450

Conversions

Conversions Part 2

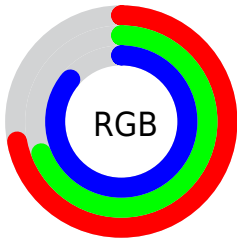
Format	Color
RYB	183, 177, 220
Decimal	12038620
CIELab	73.98, 10.77, -20.82
CIElCh	74, 23.442, 297.348
Yxy	46.6789, 0.2850, 0.2762
Android (android.graphics.Color)	4290228700 (0xFFB7B1DC)
YUV	183.6960, 17.8979, -0.6104
Hunter-Lab	68.3220, 6.2769, -16.5300

Details

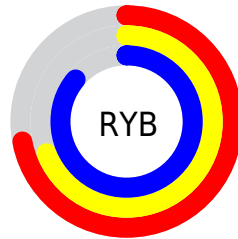
The Yxy color $46.6789, 0.2850, 0.2762$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $68.6362, 0.3374, 0.3782$, and the grayscale version is $47.6610, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.8485, 0.3032, 0.3071$, and $21.8777, 0.2773, 0.2614$ is the 20% darker color. If you saturate the color by 10%, you get $36.5129, 0.2680, 0.2449$, and if you desaturate by 10%, it is $58.5614, 0.3001, 0.3047$.

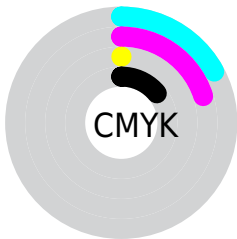
Distribution



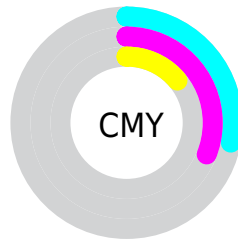
- Red (72%)
- Green (69%)
- Blue (86%)



- Red (72%)
- Yellow (69%)
- Blue (86%)



- Cyan (17%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)



- Cyan (28%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6789, 0.2850, 0.2762 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 46.6789, 0.2850, 0.2762 by changing the saturation by 10% instead.

■ 46.6789, 0.2850,
0.2762

■ 46.6789, 0.2850,
0.2762

373.5314, 0.2989,
0.3018

■ 32.7819, 0.2815,
0.2701

■ 85.2341, 0.2901,
0.2853

■ 21.9594, 0.2771,
0.2624

110.6611, 0.2920,
0.2888

■ 13.8271, 0.2711,
0.2524

140.7002, 0.2936,
0.2917

■ 8.0005, 0.2629,
0.2390

175.7359, 0.2950,
0.2943

■ 4.0953, 0.2509,
0.2201

216.1524, 0.2962,
0.2965

■ 1.7270, 0.2318,
0.1918


262.3342, 0.2972,


■ 0.4410, 0.1993,


0.2985


0.1289


314.6658, 0.2981,
0.3002

 0.0000, 0.0000,
0.0000

 46.6789, 0.2850,
0.2762


 46.6789, 0.2850,
0.2762


 36.5129, 0.2680,
0.2449


 58.5614, 0.3001,
0.3047


 27.9783, 0.2494,
0.2114


 72.2287, 0.3133,
0.3301

 20.9913, 0.2298,
0.1771

 87.7527, 0.3247,
0.3525

 15.4584, 0.2101,
0.1438

 97.9456, 0.3334,
0.3631

 11.2760, 0.1915,
0.1138

■ 8.3263, 0.1755,
0.0894

■ 6.4712, 0.1633,
0.0725

■ 5.4888, 0.1552,
0.0631

■ 5.4526, 0.1549,
0.0627

Harmonies

Analogous

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



46.6789, 0.2616, 0.2776



46.6789, 0.2850, 0.2762



46.6789, 0.3169, 0.2873

Triad

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



46.6789, 0.2850, 0.2762



46.6789, 0.3777, 0.3610



46.6789, 0.2762, 0.3503

Complementary

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



46.6789, 0.2850, 0.2762



68.6362, 0.3374, 0.3782

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.



46.6789, 0.3059, 0.3765



46.6789, 0.2850, 0.2762



46.6789, 0.3651, 0.3810

Square

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



46.6789, 0.2850, 0.2762



46.6789, 0.3720, 0.3345



46.6789, 0.3385, 0.3876



46.6789, 0.2568, 0.3188

Rectangle

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



46.6789, 0.2850, 0.2762



46.6789, 0.3390, 0.3004



46.6789, 0.3385, 0.3876



46.6789, 0.2853, 0.3602

Sweetspot

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



46.6808, 0.2850, 0.2762



88.2120, 0.3049, 0.3139



62.7286, 0.2832, 0.3221



18.6184, 0.3040, 0.3122



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.



46.6808, 0.2850, 0.2762



59.7717, 0.2790, 0.2650



49.4807, 0.3020, 0.2788



12.7040, 0.3002, 0.3050



3.2294, 0.1557, 0.0632



0.2378, 0.1681, 0.0700

Inverse Universe

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



51.5114, 0.3198, 0.2871



67.6016, 0.3213, 0.2791



65.6505, 0.3216, 0.3807



13.2419, 0.3159, 0.3091



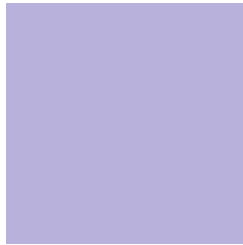
11.1058, 0.3595, 0.1754



0.7283, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 46.6789, 0.2850, 0.2762 looks on a white background.

Color Contrast Check

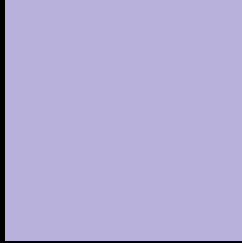
Large Text (above 18pt) WCAG AA × Fail

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 46.6789, 0.2850, 0.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

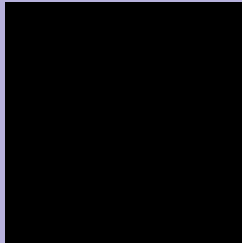
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6789, 0.2850, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 46.6789, 0.2850, 0.2762.



This preview shows how white text looks on a background with the Yxy color 46.6789, 0.2850, 0.2762.

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

46.6789, 0.2850, 0.2762

Protanopia

46.6871, 0.2755, 0.2765

Deuteranopia

46.8319, 0.2835, 0.2772



Tritanopia

46.6170, 0.2994, 0.3097

Trichromacy



Original Color

46.6789, 0.2850, 0.2762

Protanomaly

46.6908, 0.2790, 0.2768

Deuteranomaly

46.9532, 0.2843, 0.2773

Tritanomaly

46.7536, 0.2935, 0.2973

Monochromacy



Original Color

46.6789, 0.2850, 0.2762

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.2693, 0.3028, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6789, 0.2850, 0.2762 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(183, 177, 220)` looks like.

```
.text, #text, p{  
    color:rgb(183, 177, 220)  
}
```

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(183, 177, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 177, 220) }
```

Border

The CSS property to change the border of an element to Yxy 46.6789, 0.2850, 0.2762 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(183, 177, 220) }
```

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

```
.border{ border-color:rgb(183, 177, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 177, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 177, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 177, 220);  
box-shadow:4px 4px 4px 4px rgb(183, 177,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6789, 0.2850, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 177, 220) }
```

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

```
.background{ background-color: rgb(183,  
177, 220) }
```

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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