

Converting Colors

$Y_{xy}(46.3341, 0.2901, 0.2849)$

Have a look what the booklet for
Yxy(46.3341, 0.2901, 0.2849)
contains.

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Color

Yxy(46.3157, 0.2900, 0.2842)

Conversions

Conversions Part 1

Format	Color
Hex	B7B1D5
RGB	183, 177, 213
RGB Percent	72%, 69%, 84%
CMY	0.2823, 0.3059, 0.1647
CMYK	0.14, 0.17, 0.00, 0.16
HSL	250°, 30%, 76%
HSV	250°, 17%, 84%
XYZ	47.2609, 46.3157, 69.3921
YIQ	182.8980, -7.9800, 12.4680

Conversions

Conversions Part 2

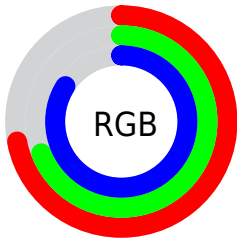
Format	Color
R_{YB}	183, 177, 213
Decimal	12038613
CIE Lab	73.75, 9.26, -17.37
CIE LCh	74, 19.688, 298.073
Yxy	46.3157, 0.2900, 0.2842
Android (android.graphics.Color)	4290228693 (0xFFB7B1D5)
YUV	182.8980, 14.8403, 0.0895
Hunter-Lab	68.0556, 4.8611, -12.8153

Details

The Yxy color $46.3157, 0.2900, 0.2842$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $64.0209, 0.3333, 0.3713$, and the grayscale version is $47.2169, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.8485, 0.3032, 0.3071$, and $21.6298, 0.2839, 0.2719$ is the 20% darker color. If you saturate the color by 10%, you get $36.5092, 0.2740, 0.2538$, and if you desaturate by 10%, it is $57.7135, 0.3041, 0.3118$.

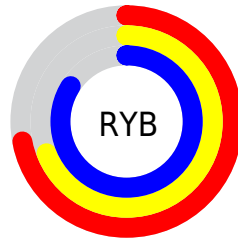
Distribution



Red (72%)

Green (69%)

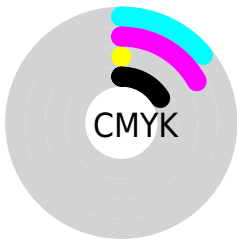
Blue (84%)



Red (72%)

Yellow (69%)

Blue (84%)

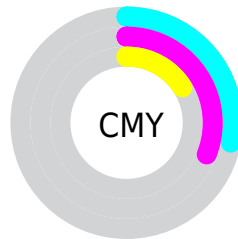


Cyan (14%)

Magenta (17%)

Yellow (0%)

Black (16%)



Cyan (28%)

Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3157, 0.2900, 0.2842 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 46.3157, 0.2900, 0.2842 by changing the saturation by 10% instead.

■ 46.3157, 0.2900,
0.2842

■ 46.3157, 0.2900,
0.2842

372.0764, 0.3015,
0.3061

■ 32.4950, 0.2871,
0.2789

■ 84.6913, 0.2942,
0.2920

■ 21.7399, 0.2834,
0.2722

110.0150, 0.2957,
0.2950

■ 13.6659, 0.2785,
0.2635

139.9418, 0.2971,
0.2975

■ 7.8887, 0.2716,
0.2517

174.8561, 0.2982,
0.2997

■ 4.0238, 0.2615,
0.2349

215.1423, 0.2992,
0.3016

■ 1.6869, 0.2449,
0.2090

261.1848, 0.3000,

■ 0.4151, 0.2150,

0.3033

0.1438

313.3681, 0.3008,
0.3047

0.0000, 0.0000,
0.0000

46.3157, 0.2900,
0.2842

46.3157, 0.2900,
0.2842

36.5092, 0.2740,
0.2538

57.7135, 0.3041,
0.3118

28.2173, 0.2564,
0.2211

70.7633, 0.3163,
0.3363

21.3657, 0.2375,
0.1872

85.5296, 0.3268,
0.3579

15.8714, 0.2181,
0.1538

97.3920, 0.3369,
0.3702

11.6427, 0.1993,
0.1229

97.5836, 0.3376,
0.3701

■ 8.5766, 0.1824,
0.0969

■ 6.5535, 0.1688,
0.0778

■ 5.4196, 0.1590,
0.0663

■ 5.1705, 0.1567,
0.0637

Harmonies

Analogous

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



46.3157, 0.2698, 0.2853



46.3157, 0.2900, 0.2842



46.3157, 0.3171, 0.2939

Triad

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



46.3157, 0.2900, 0.2842



46.3157, 0.3673, 0.3569



46.3157, 0.2814, 0.3463

Complementary

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



46.3157, 0.2900, 0.2842



64.0209, 0.3333, 0.3713

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.



46.3157, 0.3065, 0.3682



46.3157, 0.2900, 0.2842



46.3157, 0.3566, 0.3732

Square

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



46.3157, 0.2900, 0.2842



46.3157, 0.3628, 0.3346



46.3157, 0.3341, 0.3780



46.3157, 0.2650, 0.3201

Rectangle

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



46.3157, 0.2900, 0.2842



46.3157, 0.3356, 0.3052



46.3157, 0.3341, 0.3780



46.3157, 0.2891, 0.3545

Sweetspot

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



46.3176, 0.2900, 0.2842



90.1739, 0.3065, 0.3165



58.7728, 0.2870, 0.3216



19.0164, 0.3056, 0.3147



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.



46.3176, 0.2900, 0.2842



64.4789, 0.2849, 0.2744



48.6660, 0.3046, 0.2861



12.1073, 0.3007, 0.3051



3.1887, 0.1576, 0.0642



0.2237, 0.1724, 0.0724

Inverse Universe

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



50.0945, 0.3195, 0.2941



71.1296, 0.3210, 0.2871



61.5764, 0.3195, 0.3732



12.5955, 0.3163, 0.3098



10.6043, 0.3679, 0.1800



0.6493, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 46.3157, 0.2900, 0.2842 looks on a white background.

Color Contrast Check

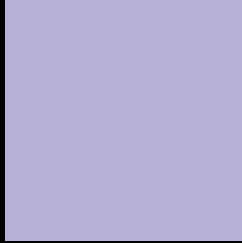
Large Text (above 18pt) WCAG AA × Fail

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 46.3157, 0.2900, 0.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

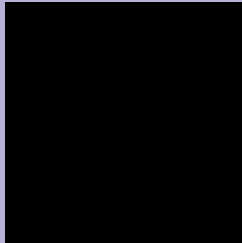
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3157, 0.2900, 0.2842

Background



This preview shows how black text looks on a background with the Yxy color 46.3157, 0.2900, 0.2842.



This preview shows how white text looks on a background with the Yxy color 46.3157, 0.2900, 0.2842.

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

46.3157, 0.2900, 0.2842

Protanopia

46.5475, 0.2817, 0.2848

Deuteranopia

46.3157, 0.2900, 0.2842



Tritanopia

46.2409, 0.3018, 0.3109

Trichromacy



Original Color

46.3157, 0.2900, 0.2842

Protanomaly

46.4424, 0.2846, 0.2850

Deuteranomaly

46.3157, 0.2900, 0.2842

Tritanomaly

46.2810, 0.2973, 0.3010

Monochromacy



Original Color

46.3157, 0.2900, 0.2842

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.0101, 0.3043, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3157, 0.2900, 0.2842 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(183, 177, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 177, 213) }
```

Border

The CSS property to change the border of an element to Yxy 46.3157, 0.2900, 0.2842 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, 213) }
```

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

```
.border{ border-color:rgb(183, 177, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 177, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 177, 213);  
box-shadow:4px 4px 4px 4px rgb(183, 177,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3157, 0.2900, 0.2842 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, 213) }
```

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

```
.background{ background-color: rgb(183,  
177, 213) }
```

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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