

Converting Colors

$Y_{xy}(46.6022, 0.3043, 0.3030)$

Have a look what the booklet for
Yxy(46.6022, 0.3043, 0.3030)
contains.

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Color

Yxy(46.5291, 0.3038, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	BBB2C7
RGB	187, 178, 199
RGB Percent	73%, 70%, 78%
CMY	0.2665, 0.3020, 0.2196
CMYK	0.06, 0.11, 0.00, 0.22
HSL	266°, 16%, 74%
HSV	266°, 11%, 78%
XYZ	46.7291, 46.5291, 60.5570
YIQ	183.0850, -1.3770, 8.4390

Conversions

Conversions Part 2

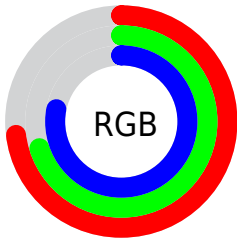
Format	Color
R _Y B	187, 178, 199
Decimal	12300999
CIE Lab	73.89, 7.18, -9.50
CIE LCh	74, 11.905, 307.094
Yxy	46.5291, 0.3038, 0.3025
Android (android.graphics.Color)	4290491079 (0xFFBBB2C7)
YUV	183.0850, 7.8461, 3.4335
Hunter-Lab	68.2122, 2.9107, -4.8875

Details

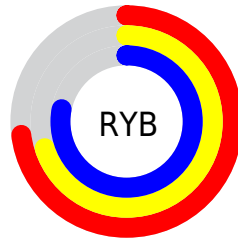
The Yxy color **46.5291, 0.3038, 0.3025** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.0098, 0.3210, 0.3553**, and the grayscale version is **47.3629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1203, 0.3058, 0.3082**, and **21.7799, 0.3015, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **37.8031, 0.2939, 0.2751**, and if you desaturate by 10%, it is **56.5209, 0.3123, 0.3277**.

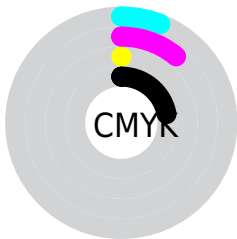
Distribution



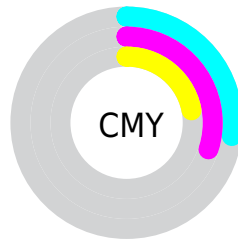
- Red (73%)
- Green (70%)
- Blue (78%)



- Red (73%)
- Yellow (70%)
- Blue (78%)



- Cyan (6%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)



- Cyan (27%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5291, 0.3038, 0.3025 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 46.5291, 0.3038, 0.3025 by changing the saturation by 10% instead.

■ 46.5291, 0.3038,
0.3025

■ 46.5291, 0.3038,
0.3025

372.9317, 0.3083,
0.3156

■ 32.6635, 0.3026,
0.2993

■ 85.0103, 0.3055,
0.3072

■ 21.8688, 0.3012,
0.2952

110.3947, 0.3061,
0.3090

■ 13.7605, 0.2992,
0.2899

140.3876, 0.3066,
0.3105

■ 7.9543, 0.2963,
0.2825

175.3732, 0.3070,
0.3118

■ 4.0657, 0.2920,
0.2718

215.7360, 0.3074,
0.3129

■ 1.7104, 0.2848,
0.2547

261.8605, 0.3078,

■ 0.4304, 0.2709,

0.3139

0.1995

314.1309, 0.3081,
0.3148

0.0000, 0.0000,
0.0000

46.5291, 0.3038,
0.3025

46.5291, 0.3038,
0.3025

37.8031, 0.2939,
0.2751

56.5209, 0.3123,
0.3277

30.2852, 0.2827,
0.2459

67.8214, 0.3195,
0.3505

23.9218, 0.2700,
0.2156

80.4787, 0.3256,
0.3709

18.6530, 0.2562,
0.1852

92.8678, 0.3310,
0.3867

14.4131, 0.2416,
0.1560

94.8322, 0.3385,
0.3854

■ 11.1295, 0.2269,
0.1298

■ 96.9040, 0.3460,
0.3840

■ 8.7193, 0.2127,
0.1080

■ 7.0847, 0.1997,
0.0919

■ 6.0824, 0.1890,
0.0815

Harmonies

Analogous

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



46.5291, 0.2897, 0.3013



46.5291, 0.3038, 0.3025



46.5291, 0.3207, 0.3103

Triad

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



46.5291, 0.3038, 0.3025



46.5291, 0.3446, 0.3498



46.5291, 0.2900, 0.3349

Complementary

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



46.5291, 0.3038, 0.3025



55.0098, 0.3210, 0.3553

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.



46.5291, 0.3043, 0.3489



46.5291, 0.3038, 0.3025



46.5291, 0.3358, 0.3574

Square

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



46.5291, 0.3038, 0.3025



46.5291, 0.3445, 0.3371



46.5291, 0.3210, 0.3572



46.5291, 0.2819, 0.3195

Rectangle

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



46.5291, 0.3038, 0.3025



46.5291, 0.3312, 0.3182



46.5291, 0.3210, 0.3572



46.5291, 0.2943, 0.3399

Sweetspot

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



46.5311, 0.3038, 0.3025



94.3982, 0.3103, 0.3216



50.5253, 0.2965, 0.3178



19.8923, 0.3096, 0.3196



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.



46.5311, 0.3038, 0.3025



77.2337, 0.3013, 0.2955



47.8677, 0.3124, 0.3032



10.5067, 0.3049, 0.3056



3.9602, 0.1904, 0.0822



0.2301, 0.2145, 0.0955

Inverse Universe

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



47.6985, 0.3213, 0.3142



79.7586, 0.3236, 0.3104



53.7388, 0.3128, 0.3560



10.7365, 0.3202, 0.3159



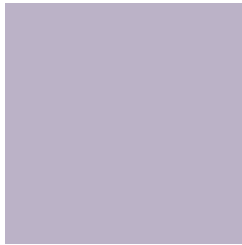
8.5984, 0.4648, 0.2334



0.4215, 0.4269, 0.2125

Previews

White Background



This preview shows how the Yxy color 46.5291, 0.3038, 0.3025 looks on a white background.

Color Contrast Check

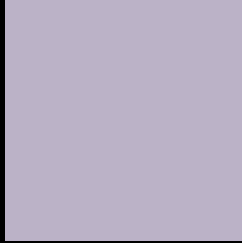
Large Text (above 18pt) WCAG AA × Fail

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 46.5291, 0.3038, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

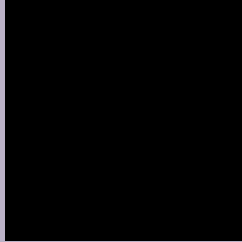
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

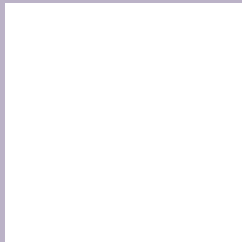
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5291, 0.3038, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 46.5291, 0.3038, 0.3025.



This preview shows how white text looks on a background with the Yxy color 46.5291, 0.3038, 0.3025.

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

46.5291, 0.3038, 0.3025

Protanopia

46.3964, 0.2964, 0.3034

Deuteranopia

46.6442, 0.3072, 0.3015



Tritanopia

46.5296, 0.3076, 0.3112

Trichromacy



Original Color

46.5291, 0.3038, 0.3025

Protanomaly

46.3554, 0.2989, 0.3023

Deuteranomaly

46.5150, 0.3063, 0.3015

Tritanomaly

46.6194, 0.3060, 0.3087

Monochromacy



Original Color

46.5291, 0.3038, 0.3025

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.9122, 0.3090, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5291, 0.3038, 0.3025 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(187, 178, 199)` looks like.

```
.text, #text, p{  
    color:rgb(187, 178, 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(187, 178, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 178, 199) }
```

Border

The CSS property to change the border of an element to Yxy 46.5291, 0.3038, 0.3025 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(187, 178, 199) }
```

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

```
.border{ border-color:rgb(187, 178, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 178, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 178, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 178, 199);  
box-shadow:4px 4px 4px 4px rgb(187, 178,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5291, 0.3038, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 178, 199) }
```

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

```
.background{ background-color: rgb(187,  
178, 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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