

Converting Colors

$Y_{xy}(46.3158, 0.3025, 0.2733)$

Have a look what the booklet for
Yxy(46.3158, 0.3025, 0.2733)
contains.

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Color

Yxy(46.3158, 0.3025, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	CAAAD9
RGB	202, 170, 217
RGB Percent	79%, 67%, 85%
CMY	0.2077, 0.3334, 0.1490
CMYK	0.07, 0.22, 0.00, 0.15
HSL	281°, 38%, 76%
HSV	281°, 22%, 85%
XYZ	51.2643, 46.3158, 71.8886
YIQ	184.9260, 3.9850, 21.4010

Conversions

Conversions Part 2

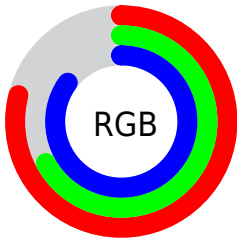
Format	Color
R_{YB}	202, 170, 217
Decimal	13282009
CIE _{Lab}	73.75, 20.15, -19.41
CIE _{LCh}	74, 27.977, 316.066
Yxy	46.3158, 0.3025, 0.2733
Android (android.graphics.Color)	4291472089 (0xFFCAAAD9)
YUV	184.9260, 15.8125, 14.9739
Hunter-Lab	68.0557, 15.3611, -14.9902

Details

The Yxy color $46.3158, 0.3025, 0.2733$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $62.8414, 0.3208, 0.3871$, and the grayscale version is $48.3843, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3304, 0.3141, 0.2999$, and $21.8614, 0.2996, 0.2598$ is the 20% darker color. If you saturate the color by 10%, you get $37.9001, 0.2964, 0.2459$, and if you desaturate by 10%, it is $56.1215, 0.3077, 0.2999$.

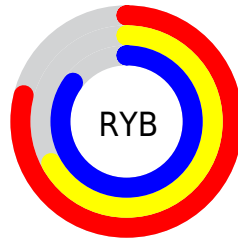
Distribution



Red (79%)

Green (67%)

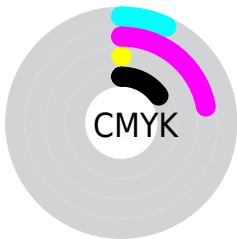
Blue (85%)



Red (79%)

Yellow (67%)

Blue (85%)

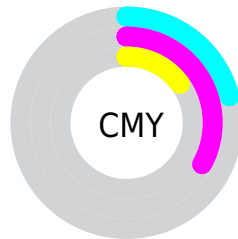


Cyan (7%)

Magenta (22%)

Yellow (0%)

Black (15%)



Cyan (21%)


Magenta (33%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3158, 0.3025, 0.2733 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 46.3158, 0.3025, 0.2733 by changing the saturation by 10% instead.


 46.3158, 0.3025,
0.2733

 46.3158, 0.3025,
0.2733


372.0768, 0.3080,
0.3000

 32.4951, 0.3010,
0.2670


 84.6914, 0.3046,
0.2828

 21.7399, 0.2991,
0.2590


110.0151, 0.3053,
0.2864

 13.6659, 0.2965,
0.2488


139.9420, 0.3060,
0.2895

 7.8887, 0.2926,
0.2352

174.8563, 0.3065,
0.2922

 4.0238, 0.2867,
0.2161

215.1426, 0.3069,
0.2945

 1.6869, 0.2766,
0.1878

261.1852, 0.3073,

 0.4151, 0.2623,

0.2966

0.1227

313.3684, 0.3077,
0.2984

0.0000, 0.0000,
0.0000

46.3158, 0.3025,
0.2733

46.3158, 0.3025,
0.2733

37.9001, 0.2964,
0.2459

56.1215, 0.3077,
0.2999

30.8020, 0.2895,
0.2183

67.3732, 0.3121,
0.3250

24.9516, 0.2819,
0.1917

80.1308, 0.3157,
0.3483

20.2700, 0.2736,
0.1672

93.2996, 0.3188,
0.3680

16.6688, 0.2650,
0.1460

94.4635, 0.3232,
0.3675

■ 14.0469, 0.2563,
0.1291

■ 95.6731, 0.3276,
0.3670

■ 12.2833, 0.2478,
0.1170

■ 96.9290, 0.3321,
0.3664

■ 11.2980, 0.2411,
0.1102

■ 97.7902, 0.3351,
0.3661

Harmonies

Analogous

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



46.3158, 0.2676, 0.2653



46.3158, 0.3025, 0.2733



46.3158, 0.3424, 0.2939

Triad

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



46.3158, 0.3025, 0.2733



46.3158, 0.3833, 0.3829



46.3158, 0.2530, 0.3304

Complementary

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



46.3158, 0.3025, 0.2733



62.8414, 0.3208, 0.3871

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.



46.3158, 0.2812, 0.3681



46.3158, 0.3025, 0.2733



46.3158, 0.3566, 0.3986

Square

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



46.3158, 0.3025, 0.2733



46.3158, 0.3907, 0.3549



46.3158, 0.3190, 0.3940



46.3158, 0.2405, 0.2953

Rectangle

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



46.3158, 0.3025, 0.2733



46.3158, 0.3660, 0.3127



46.3158, 0.3190, 0.3940



46.3158, 0.2609, 0.3434

Sweetspot

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



46.3178, 0.3025, 0.2733



89.7114, 0.3102, 0.3142



48.5311, 0.2778, 0.2894



18.9724, 0.3100, 0.3125



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.



46.3178, 0.3025, 0.2733



60.9601, 0.2998, 0.2608



48.1107, 0.3217, 0.2839



13.0562, 0.3087, 0.3056



6.8975, 0.2422, 0.1108



0.4922, 0.2553, 0.1180

Inverse Universe

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



46.9999, 0.3428, 0.3113



62.1699, 0.3509, 0.3074



61.3824, 0.3049, 0.3788



13.1195, 0.3242, 0.3216



9.2078, 0.5685, 0.2905



0.6119, 0.5220, 0.2649

Previews

White Background



This preview shows how the Yxy color 46.3158, 0.3025, 0.2733 looks on a white background.

Color Contrast Check

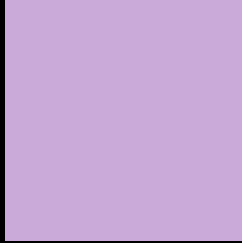
Large Text (above 18pt) WCAG AA × Fail

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 46.3158, 0.3025, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

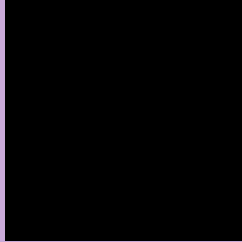
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3158, 0.3025, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 46.3158, 0.3025, 0.2733.



This preview shows how white text looks on a background with the Yxy color 46.3158, 0.3025, 0.2733.

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

46.3158, 0.3025, 0.2733

Protanopia

46.6823, 0.2734, 0.2741

Deuteranopia

46.3472, 0.2870, 0.2806



Tritanopia

46.3398, 0.3215, 0.3116

Trichromacy



Original Color

46.3158, 0.3025, 0.2733

Protanomaly

46.2162, 0.2834, 0.2736

Deuteranomaly

46.0488, 0.2925, 0.2776

Tritanomaly

46.1528, 0.3142, 0.2971

Monochromacy



Original Color

46.3158, 0.3025, 0.2733

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.7501, 0.3086, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3158, 0.3025, 0.2733 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(202, 170, 217)` looks like.

```
.text, #text, p{  
    color:rgb(202, 170, 217)  
}
```

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(202, 170, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 170, 217) }
```

Border

The CSS property to change the border of an element to Yxy 46.3158, 0.3025, 0.2733 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(202, 170, 217) }
```

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

```
.border{ border-color:rgb(202, 170, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 170, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 170, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 170, 217);  
box-shadow:4px 4px 4px 4px rgb(202, 170,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3158, 0.3025, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 170, 217) }
```

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

```
.background{ background-color: rgb(202,  
170, 217) }
```

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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