

Converting Colors

$Y_{xy}(46.6542, 0.2885, 0.2595)$

Have a look what the booklet for
Yxy(46.6542, 0.2885, 0.2595)
contains.

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Color

Yxy(46.7093, 0.2886, 0.2599)

Conversions

Conversions Part 1

Format	Color
Hex	C5ABE6
RGB	197, 171, 230
RGB Percent	77%, 67%, 90%
CMY	0.2275, 0.3294, 0.0980
CMYK	0.14, 0.26, 0.00, 0.10
HSL	266°, 54%, 79%
HSV	266°, 26%, 90%
XYZ	51.8673, 46.7093, 81.1437
YIQ	185.5000, -3.4430, 23.8610

Conversions

Conversions Part 2

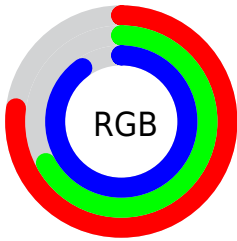
Format	Color
R _Y B	197, 171, 230
Decimal	12954598
CIE Lab	74.00, 20.64, -26.15
CIE LCh	74, 33.316, 308.292
Yxy	46.7093, 0.2886, 0.2599
Android (android.graphics.Color)	4291144678 (0xFFC5ABE6)
YUV	185.5000, 21.9385, 10.0855
Hunter-Lab	68.3442, 15.8635, -22.5529

Details

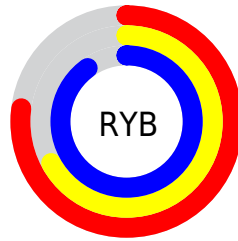
The Yxy color **46.7093, 0.2886, 0.2599** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **72.3758, 0.3323, 0.3971**, and the grayscale version is **48.6855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6835, 0.3134, 0.3009**, and **22.0893, 0.2821, 0.2438** is the 20% darker color. If you saturate the color by 10%, you get **37.1002, 0.2767, 0.2298**, and if you desaturate by 10%, it is **57.9825, 0.2991, 0.2885**.

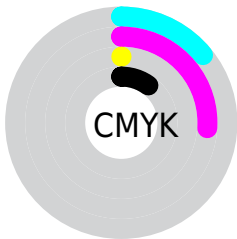
Distribution



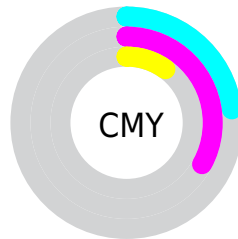
- Red (77%)
- Green (67%)
- Blue (90%)



- Red (77%)
- Yellow (67%)
- Blue (90%)



- Cyan (14%)
- Magenta (26%)
- Yellow (0%)
- Black (10%)




- Cyan (23%)
- Magenta (33%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7093, 0.2886, 0.2599 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 46.7093, 0.2886, 0.2599 by changing the saturation by 10% instead.

 46.7093, 0.2886,
0.2599

 46.7093, 0.2886,
0.2599


373.6530, 0.3010,
0.2927

 32.8059, 0.2854,
0.2522


 85.2795, 0.2932,
0.2714

 21.9778, 0.2814,
0.2427


110.7152, 0.2949,
0.2759

 13.8406, 0.2759,
0.2306


140.7637, 0.2963,
0.2797

 8.0099, 0.2683,
0.2145

175.8094, 0.2975,
0.2830

 4.1013, 0.2571,
0.1927

216.2368, 0.2986,
0.2859

 1.7304, 0.2392,
0.1614

262.4303, 0.2995,

 0.4432, 0.2106,

0.2884

0.1006

314.7742, 0.3003,
0.2907

0.0000, 0.0000,
0.0000

46.7093, 0.2886,
0.2599

46.7093, 0.2886,
0.2599

37.1002, 0.2767,
0.2298

57.9825, 0.2991,
0.2885

29.0674, 0.2635,
0.1991

70.9902, 0.3082,
0.3150

22.5236, 0.2493,
0.1691

85.8057, 0.3159,
0.3393

17.3704, 0.2347,
0.1413

97.2773, 0.3232,
0.3535

13.4973, 0.2202,
0.1174

98.4931, 0.3274,
0.3532

■ 10.7754, 0.2066,
0.0988

■ 9.0474, 0.1946,
0.0862

■ 8.4944, 0.1899,
0.0820

Harmonies

Analogous

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



46.7093, 0.2511, 0.2547



46.7093, 0.2886, 0.2599



46.7093, 0.3356, 0.2804

Triad

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



46.7093, 0.2886, 0.2599



46.7093, 0.4011, 0.3842



46.7093, 0.2493, 0.3423

Complementary

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



46.7093, 0.2886, 0.2599



72.3758, 0.3323, 0.3971

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.



46.7093, 0.2859, 0.3861



46.7093, 0.2886, 0.2599



46.7093, 0.3741, 0.4086

Square

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



46.7093, 0.2886, 0.2599



46.7093, 0.4034, 0.3490



46.7093, 0.3316, 0.4111



46.7093, 0.2298, 0.2981

Rectangle

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



46.7093, 0.2886, 0.2599



46.7093, 0.3658, 0.3006



46.7093, 0.3316, 0.4111



46.7093, 0.2599, 0.3579

Sweetspot

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



46.7112, 0.2886, 0.2599



85.5660, 0.3061, 0.3089



57.7668, 0.2724, 0.2981



17.7690, 0.3048, 0.3049



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.



46.7112, 0.2886, 0.2599



52.0630, 0.2822, 0.2434



51.0232, 0.3124, 0.2647



14.1960, 0.3049, 0.3052



4.8788, 0.1915, 0.0829



0.4148, 0.2078, 0.0918

Inverse Universe

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



50.3145, 0.3374, 0.2922



57.4690, 0.3443, 0.2839



68.6415, 0.3119, 0.4016



14.5024, 0.3205, 0.3159



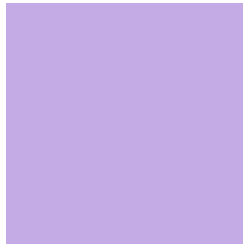
10.4428, 0.4702, 0.2364



0.7903, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 46.7093, 0.2886, 0.2599 looks on a white background.

Color Contrast Check

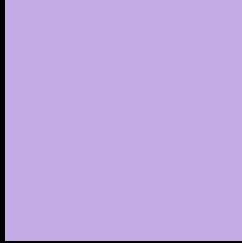
Large Text (above 18pt) WCAG AA × Fail

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 46.7093, 0.2886, 0.2599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

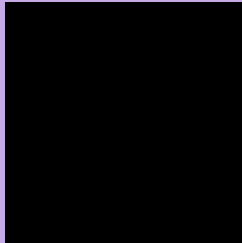
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7093, 0.2886, 0.2599

Background



This preview shows how black text looks on a background with the Yxy color 46.7093, 0.2886, 0.2599.



This preview shows how white text looks on a background with the Yxy color 46.7093, 0.2886, 0.2599.

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

46.7093, 0.2886, 0.2599

Protanopia

46.9141, 0.2630, 0.2603

Deuteranopia

46.7280, 0.2736, 0.2665



Tritanopia

46.7229, 0.3127, 0.3114

Trichromacy



Original Color

46.7093, 0.2886, 0.2599

Protanomaly

46.8498, 0.2717, 0.2601

Deuteranomaly

46.5074, 0.2794, 0.2639

Tritanomaly

46.4536, 0.3034, 0.2908

Monochromacy



Original Color

46.7093, 0.2886, 0.2599

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.2592, 0.3039, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7093, 0.2886, 0.2599 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(197, 171, 230)` looks like.

```
.text, #text, p{  
    color:rgb(197, 171, 230)  
}
```

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(197, 171, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 171, 230) }
```

Border

The CSS property to change the border of an element to Yxy 46.7093, 0.2886, 0.2599 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(197, 171, 230) }
```

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

```
.border{ border-color:rgb(197, 171, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 171, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 171, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 171, 230);  
box-shadow:4px 4px 4px 4px rgb(197, 171,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7093, 0.2886, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 171, 230) }
```

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

```
.background{ background-color: rgb(197,  
171, 230) }
```

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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