

Converting Colors

$Y_{xy}(46.7534, 0.2812, 0.2611)$

Have a look what the booklet for
Yxy(46.7534, 0.2812, 0.2611)
contains.

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Color

Yxy(46.7330, 0.2810, 0.2611)

Conversions

Conversions Part 1

Format	Color
Hex	BCAEE7
RGB	188, 174, 231
RGB Percent	74%, 68%, 91%
CMY	0.2628, 0.3176, 0.0942
CMYK	0.19, 0.25, 0.00, 0.09
HSL	255°, 54%, 79%
HSV	255°, 25%, 91%
XYZ	50.2948, 46.7330, 81.9573
YIQ	184.6840, -9.9530, 20.6950

Conversions

Conversions Part 2

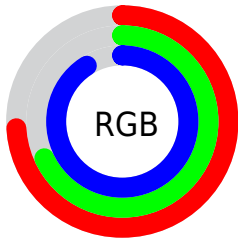
Format	Color
R _Y B	188, 174, 231
Decimal	12365543
CIE _{Lab}	74.02, 16.41, -26.73
CIE _{LCh}	74, 31.361, 301.546
Yxy	46.7330, 0.2810, 0.2611
Android (android.graphics.Color)	4290555623 (0xFFBCAEE7)
YUV	184.6840, 22.8338, 2.9081
Hunter-Lab	68.3615, 11.6929, -23.2285

Details

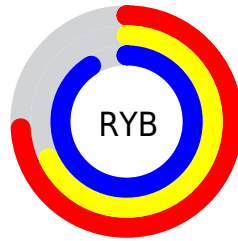
The Yxy color **46.7330, 0.2810, 0.2611** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.9505, 0.3396, 0.3927**, and the grayscale version is **48.2064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2261, 0.3072, 0.3043**, and **22.0825, 0.2721, 0.2450** is the 20% darker color. If you saturate the color by 10%, you get **36.4822, 0.2651, 0.2294**, and if you desaturate by 10%, it is **58.7895, 0.2952, 0.2906**.

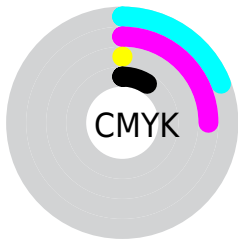
Distribution



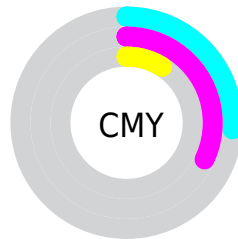
- Red (74%)
- Green (68%)
- Blue (91%)



- Red (74%)
- Yellow (68%)
- Blue (91%)



- Cyan (19%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (26%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7330, 0.2810, 0.2611 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 46.7330, 0.2810, 0.2611 by changing the saturation by 10% instead.

■ 46.7330, 0.2810,
0.2611

■ 46.7330, 0.2810,
0.2611

373.7478, 0.2970,
0.2935

■ 32.8246, 0.2770,
0.2535

■ 85.3149, 0.2868,
0.2725

■ 21.9921, 0.2719,
0.2440

110.7573, 0.2890,
0.2769

■ 13.8511, 0.2651,
0.2319

140.8131, 0.2909,
0.2807

■ 8.0172, 0.2557,
0.2159

175.8668, 0.2925,
0.2839

■ 4.1059, 0.2421,
0.1940

216.3027, 0.2938,
0.2868

■ 1.7330, 0.2209,
0.1624

262.5052, 0.2950,

■ 0.4449, 0.1874,

0.2893

0.1012

314.8588, 0.2961,
0.2915

0.0000, 0.0000,
0.0000

46.7330, 0.2810,
0.2611

46.7330, 0.2810,
0.2611

36.4822, 0.2651,
0.2294

58.7895, 0.2952,
0.2906

27.9435, 0.2478,
0.1963

72.7280, 0.3075,
0.3175

21.0231, 0.2297,
0.1634

88.6270, 0.3182,
0.3414

15.6162, 0.2115,
0.1325

98.5485, 0.3268,
0.3523

11.6048, 0.1944,
0.1059

■ 8.8533, 0.1796,
0.0853

■ 7.1970, 0.1679,
0.0719

■ 6.6291, 0.1630,
0.0671

Harmonies

Analogous

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



46.7330, 0.2487, 0.2599



46.7330, 0.2810, 0.2611



46.7330, 0.3242, 0.2776

Triad

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



46.7330, 0.2810, 0.2611



46.7330, 0.3987, 0.3745



46.7330, 0.2595, 0.3515

Complementary

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



46.7330, 0.2810, 0.2611



74.9505, 0.3396, 0.3927

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.



46.7330, 0.2970, 0.3898



46.7330, 0.2810, 0.2611



46.7330, 0.3781, 0.4004

Square

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



46.7330, 0.2810, 0.2611



46.7330, 0.3949, 0.3402



46.7330, 0.3404, 0.4077



46.7330, 0.2369, 0.3087

Rectangle

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



46.7330, 0.2810, 0.2611



46.7330, 0.3536, 0.2953



46.7330, 0.3404, 0.4077



46.7330, 0.2707, 0.3656

Sweetspot

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



46.7349, 0.2810, 0.2611



86.6695, 0.3048, 0.3113



64.7501, 0.2751, 0.3132



18.3170, 0.3040, 0.3098



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.



46.7349, 0.2810, 0.2611



51.1674, 0.2725, 0.2439



50.6116, 0.3031, 0.2653



14.0571, 0.3018, 0.3050



3.7656, 0.1642, 0.0678



0.3209, 0.1788, 0.0758

Inverse Universe

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



52.2720, 0.3269, 0.2819



59.3695, 0.3308, 0.2711



71.0433, 0.3198, 0.3968



14.5516, 0.3175, 0.3114



11.2650, 0.3944, 0.1947



0.8469, 0.3814, 0.1875

Previews

White Background



This preview shows how the Yxy color 46.7330, 0.2810, 0.2611 looks on a white background.

Color Contrast Check

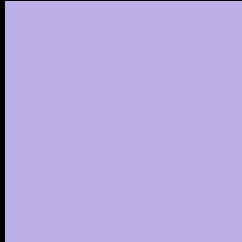
Large Text (above 18pt) WCAG AA × Fail

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 46.7330, 0.2810, 0.2611 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 46.7330, 0.2810, 0.2611

Background



This preview shows how black text looks on a background with the Yxy color 46.7330, 0.2810, 0.2611.



This preview shows how white text looks on a background with the Yxy color 46.7330, 0.2810, 0.2611.

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

46.7330, 0.2810, 0.2611

Protanopia

46.8562, 0.2636, 0.2614

Deuteranopia

46.6679, 0.2722, 0.2653



Tritanopia

46.9330, 0.3027, 0.3111

Trichromacy



Original Color

46.7330, 0.2810, 0.2611

Protanomaly

46.8953, 0.2696, 0.2610

Deuteranomaly

46.8608, 0.2758, 0.2647

Tritanomaly

46.5852, 0.2945, 0.2914

Monochromacy



Original Color

46.7330, 0.2810, 0.2611

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.7511, 0.3006, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7330, 0.2810, 0.2611 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(188, 174, 231)` looks like.

```
.text, #text, p{  
    color:rgb(188, 174, 231)  
}
```

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(188, 174, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 174, 231) }
```

Border

The CSS property to change the border of an element to Yxy 46.7330, 0.2810, 0.2611 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(188, 174, 231) }
```

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

```
.border{ border-color:rgb(188, 174, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 174, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 174, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 174, 231);  
box-shadow:4px 4px 4px 4px rgb(188, 174,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7330, 0.2810, 0.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 174, 231) }
```

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

```
.background{ background-color: rgb(188,  
174, 231) }
```

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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