

Converting Colors

$Y_{xy}(46.4123, 0.2927, 0.2756)$

Have a look what the booklet for
Yxy(46.4123, 0.2927, 0.2756)
contains.

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Color

Yxy(46.4104, 0.2927, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	BFAEDA
RGB	191, 174, 218
RGB Percent	75%, 68%, 85%
CMY	0.2507, 0.3177, 0.1451
CMYK	0.12, 0.20, 0.00, 0.15
HSL	263°, 37%, 77%
HSV	263°, 20%, 85%
XYZ	49.2900, 46.4104, 72.6973
YIQ	184.0990, -3.9920, 17.2880

Conversions

Conversions Part 2

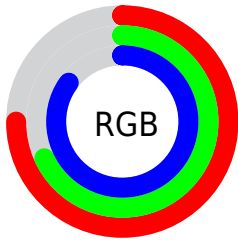
Format	Color
R_{YB}	191, 174, 218
Decimal	12562138
CIE _{Lab}	73.81, 14.59, -19.96
CIE _{LCh}	74, 24.722, 306.172
Yxy	46.4104, 0.2927, 0.2756
Android (android.graphics.Color)	4290752218 (0xFFBFAEDA)
YUV	184.0990, 16.7132, 6.0522
Hunter-Lab	68.1252, 9.9294, -15.5815

Details

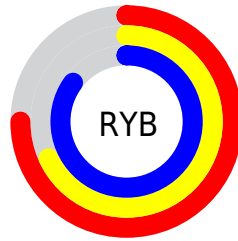
The Yxy color **46.4104, 0.2927, 0.2756** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **65.6114, 0.3299, 0.3812**, and the grayscale version is **47.9030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7701, 0.3092, 0.3045**, and **21.8818, 0.2865, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **37.0100, 0.2805, 0.2459**, and if you desaturate by 10%, it is **57.3393, 0.3034, 0.3033**.

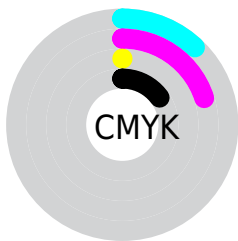
Distribution



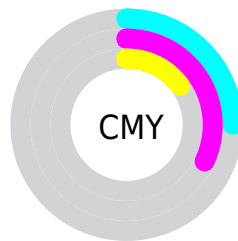
- Red (75%)
- Green (68%)
- Blue (85%)



- Red (75%)
- Yellow (68%)
- Blue (85%)



- Cyan (12%)
- Magenta (20%)
- Yellow (0%)
- Black (15%)



- Cyan (25%)
- Magenta (32%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4104, 0.2927, 0.2756 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 46.4104, 0.2927, 0.2756 by changing the saturation by 10% instead.

■ 46.4104, 0.2927,
0.2756

■ 46.4104, 0.2927,
0.2756

372.4561, 0.3029,
0.3014

■ 32.5698, 0.2901,
0.2695

■ 84.8329, 0.2965,
0.2848

■ 21.7971, 0.2867,
0.2617

110.1835, 0.2979,
0.2883

■ 13.7079, 0.2822,
0.2517

140.1396, 0.2990,
0.2912

■ 7.9178, 0.2759,
0.2383

175.0856, 0.3000,
0.2938

■ 4.0424, 0.2665,
0.2195

215.4059, 0.3009,
0.2961

■ 1.6973, 0.2511,
0.1914

261.4848, 0.3017,

■ 0.4219, 0.2270,

0.2981

0.1265

313.7067, 0.3023,
0.2998

0.0000, 0.0000,
0.0000

46.4104, 0.2927,
0.2756

46.4104, 0.2927,
0.2756

37.0100, 0.2805,
0.2459

57.3393, 0.3034,
0.3033

29.0622, 0.2669,
0.2150

69.8564, 0.3125,
0.3285

22.4933, 0.2521,
0.1838

84.0250, 0.3204,
0.3513

17.2206, 0.2365,
0.1538

95.8931, 0.3277,
0.3659

13.1522, 0.2209,
0.1268

97.8426, 0.3345,
0.3651

■ 10.1837, 0.2060,
0.1044

■ 8.1914, 0.1926,
0.0880

■ 6.9751, 0.1815,
0.0774

Harmonies

Analogous

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



46.4104, 0.2648, 0.2729



46.4104, 0.2927, 0.2756



46.4104, 0.3276, 0.2907

Triad

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



46.4104, 0.2927, 0.2756



46.4104, 0.3794, 0.3698



46.4104, 0.2668, 0.3417

Complementary

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



46.4104, 0.2927, 0.2756



65.6114, 0.3299, 0.3812

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.



46.4104, 0.2955, 0.3725



46.4104, 0.2927, 0.2756



46.4104, 0.3610, 0.3877

Square

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



46.4104, 0.2927, 0.2756



46.4104, 0.3792, 0.3431



46.4104, 0.3300, 0.3896



46.4104, 0.2505, 0.3089

Rectangle

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



46.4104, 0.2927, 0.2756



46.4104, 0.3501, 0.3060



46.4104, 0.3300, 0.3896



46.4104, 0.2752, 0.3528

Sweetspot

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



46.4123, 0.2927, 0.2756



88.8909, 0.3073, 0.3140



55.8945, 0.2814, 0.3082



18.7785, 0.3067, 0.3123



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.



46.4123, 0.2927, 0.2756



60.5504, 0.2880, 0.2639



49.4548, 0.3107, 0.2784



12.8623, 0.3041, 0.3053



4.2361, 0.1830, 0.0782



0.3233, 0.2015, 0.0884

Inverse Universe

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



49.3856, 0.3291, 0.2978



65.5384, 0.3331, 0.2913



62.8019, 0.3138, 0.3839



13.1848, 0.3197, 0.3148



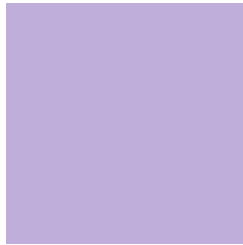
9.9729, 0.4484, 0.2244



0.6628, 0.4221, 0.2099

Previews

White Background



This preview shows how the Yxy color 46.4104, 0.2927, 0.2756 looks on a white background.

Color Contrast Check

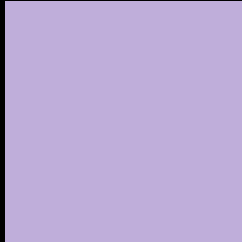
Large Text (above 18pt) WCAG AA × Fail

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 46.4104, 0.2927, 0.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

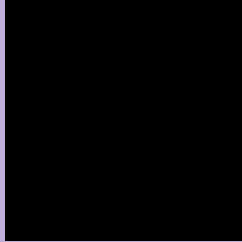
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4104, 0.2927, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 46.4104, 0.2927, 0.2756.



This preview shows how white text looks on a background with the Yxy color 46.4104, 0.2927, 0.2756.

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

46.4104, 0.2927, 0.2756

Protanopia

46.6871, 0.2755, 0.2765

Deuteranopia

46.2778, 0.2855, 0.2793



Tritanopia

46.6553, 0.3084, 0.3112

Trichromacy



Original Color

46.4104, 0.2927, 0.2756

Protanomaly

46.6450, 0.2812, 0.2758

Deuteranomaly

46.3747, 0.2886, 0.2785

Tritanomaly

46.3999, 0.3023, 0.2977

Monochromacy



Original Color

46.4104, 0.2927, 0.2756

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.1928, 0.3061, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4104, 0.2927, 0.2756 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(191, 174, 218)` looks like.

```
.text, #text, p{  
    color:rgb(191, 174, 218)  
}
```

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(191, 174, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 174, 218) }
```

Border

The CSS property to change the border of an element to Yxy 46.4104, 0.2927, 0.2756 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(191, 174, 218) }
```

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

```
.border{ border-color:rgb(191, 174, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 174, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 174, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 174, 218);  
box-shadow:4px 4px 4px 4px rgb(191, 174,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4104, 0.2927, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 174, 218) }
```

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

```
.background{ background-color: rgb(191,  
174, 218) }
```

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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