

Converting Colors

$Y_{xy}(46.1099, 0.2821, 0.2734)$

Have a look what the booklet for
Yxy(46.1099, 0.2821, 0.2734)
contains.

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Color

Yxy(45.9744, 0.2819, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	B4B0DD
RGB	180, 176, 221
RGB Percent	71%, 69%, 87%
CMY	0.2940, 0.3098, 0.1333
CMYK	0.19, 0.20, 0.00, 0.13
HSL	245°, 40%, 78%
HSV	245°, 20%, 87%
XYZ	47.4037, 45.9744, 74.7799
YIQ	182.3260, -12.0610, 14.8430

Conversions

Conversions Part 2

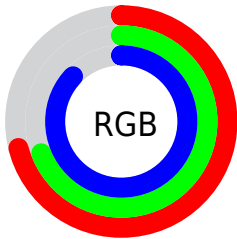
Format	Color
RYB	180, 176, 221
Decimal	11841757
CIELab	73.53, 10.62, -22.10
CIELCh	74, 24.514, 295.662
Yxy	45.9744, 0.2819, 0.2734
Android (android.graphics.Color)	4290031837 (0xFFB4B0DD)
YUV	182.3260, 19.0663, -2.0399
Hunter-Lab	67.8044, 6.1360, -17.9264

Details

The Yxy color $45.9744, 0.2819, 0.2734$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $69.5918, 0.3402, 0.3801$, and the grayscale version is $46.8681, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.7661, 0.3012, 0.3059$, and $21.6805, 0.2733, 0.2594$ is the 20% darker color. If you saturate the color by 10%, you get $35.7619, 0.2638, 0.2415$, and if you desaturate by 10%, it is $57.9519, 0.2981, 0.3024$.

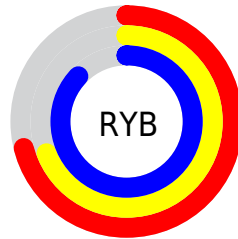
Distribution



Red (71%)

Green (69%)

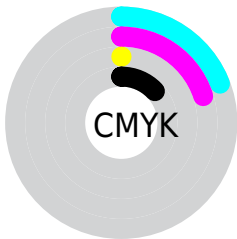
Blue (87%)



Red (71%)

Yellow (69%)

Blue (87%)

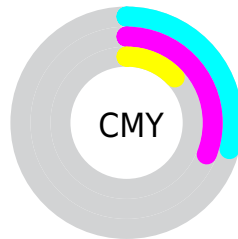


Cyan (19%)

Magenta (20%)

Yellow (0%)

Black (13%)



Cyan (29%)

Magenta (31%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9744, 0.2819, 0.2734 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 45.9744, 0.2819, 0.2734 by changing the saturation by 10% instead.

■ 45.9744, 0.2819,
0.2734

■ 45.9744, 0.2819,
0.2734

370.7057, 0.2974,
0.3004

■ 32.2256, 0.2780,
0.2669

■ 84.1807, 0.2875,
0.2830

■ 21.5339, 0.2731,
0.2588

109.4070, 0.2897,
0.2867

■ 13.5148, 0.2665,
0.2483

139.2279, 0.2914,
0.2898

■ 7.7840, 0.2574,
0.2341

174.0278, 0.2930,
0.2925

■ 3.9570, 0.2441,
0.2142

214.1912, 0.2943,
0.2948

■ 1.6496, 0.2230,
0.1845

260.1024, 0.2955,

■ 0.3907, 0.1864,

0.2969

0.1155

312.1457, 0.2965,
0.2987

0.0000, 0.0000,
0.0000

45.9744, 0.2819,
0.2734

45.9744, 0.2819,
0.2734

35.7619, 0.2638,
0.2415

57.9519, 0.2981,
0.3024

27.2254, 0.2442,
0.2074

71.7663, 0.3122,
0.3281

20.2770, 0.2238,
0.1726

87.4925, 0.3245,
0.3507

14.8182, 0.2036,
0.1389

98.0003, 0.3328,
0.3621

10.7397, 0.1851,
0.1090

■ 7.9170, 0.1698,
0.0853

■ 6.2031, 0.1588,
0.0695

■ 5.3673, 0.1525,
0.0614

Harmonies

Analogous

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



45.9744, 0.2581, 0.2755



45.9744, 0.2819, 0.2734



45.9744, 0.3151, 0.2844

Triad

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



45.9744, 0.2819, 0.2734



45.9744, 0.3813, 0.3609



45.9744, 0.2759, 0.3532

Complementary

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



45.9744, 0.2819, 0.2734



69.5918, 0.3402, 0.3801

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.



45.9744, 0.3074, 0.3802



45.9744, 0.2819, 0.2734



45.9744, 0.3690, 0.3826

Square

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



45.9744, 0.2819, 0.2734



45.9744, 0.3741, 0.3331



45.9744, 0.3416, 0.3908



45.9744, 0.2548, 0.3199

Rectangle

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



45.9744, 0.2819, 0.2734



45.9744, 0.3384, 0.2977



45.9744, 0.3416, 0.3908



45.9744, 0.2856, 0.3635

Sweetspot

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



45.9763, 0.2819, 0.2734



88.0772, 0.3044, 0.3139



64.2033, 0.2821, 0.3244



18.5867, 0.3035, 0.3122



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.



45.9763, 0.2819, 0.2734



57.8965, 0.2752, 0.2615



48.8601, 0.2996, 0.2762



12.6728, 0.2995, 0.3049



3.1389, 0.1531, 0.0617



0.2230, 0.1618, 0.0665

Inverse Universe

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



51.4282, 0.3183, 0.2829



66.6260, 0.3195, 0.2741



66.4145, 0.3236, 0.3828



13.2536, 0.3151, 0.3080



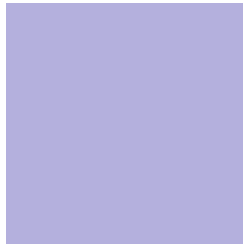
11.3931, 0.3447, 0.1673



0.7441, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 45.9744, 0.2819, 0.2734 looks on a white background.

Color Contrast Check

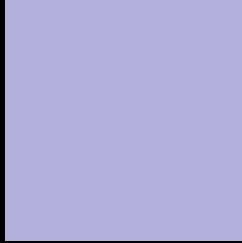
Large Text (above 18pt) WCAG AA × Fail

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 45.9744, 0.2819, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

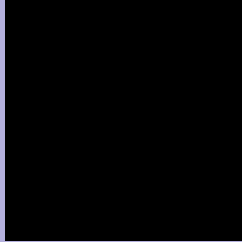
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9744, 0.2819, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 45.9744, 0.2819, 0.2734.



This preview shows how white text looks on a background with the Yxy color 45.9744, 0.2819, 0.2734.

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

45.9744, 0.2819, 0.2734

Protanopia

46.1140, 0.2732, 0.2738

Deuteranopia

46.1297, 0.2804, 0.2744



Tritanopia

46.1018, 0.2969, 0.3107

Trichromacy



Original Color

45.9744, 0.2819, 0.2734

Protanomaly

46.1134, 0.2768, 0.2741

Deuteranomaly

46.2484, 0.2812, 0.2746

Tritanomaly

45.9469, 0.2918, 0.2970

Monochromacy



Original Color

45.9744, 0.2819, 0.2734

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4518, 0.3011, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9744, 0.2819, 0.2734 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(180, 176, 221)` looks like.

```
.text, #text, p{  
    color:rgb(180, 176, 221)  
}
```

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(180, 176, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 176, 221) }
```

Border

The CSS property to change the border of an element to Yxy 45.9744, 0.2819, 0.2734 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(180, 176, 221) }
```

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

```
.border{ border-color:rgb(180, 176, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 176, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 176, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 176, 221);  
box-shadow:4px 4px 4px 4px rgb(180, 176,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9744, 0.2819, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 176, 221) }
```

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

```
.background{ background-color: rgb(180,  
176, 221) }
```

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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