

Converting Colors

$Y_{xy}(45.2605, 0.2745, 0.2474)$

Have a look what the booklet for
Yxy(45.2605, 0.2745, 0.2474)
contains.

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Color

Yxy(45.1727, 0.2744, 0.2466)

Conversions

Conversions Part 1

Format	Color
Hex	BBA9EF
RGB	187, 169, 239
RGB Percent	73%, 66%, 94%
CMY	0.2666, 0.3373, 0.0627
CMYK	0.22, 0.29, 0.00, 0.06
HSL	255°, 69%, 80%
HSV	255°, 29%, 94%
XYZ	50.2652, 45.1727, 87.7442
YIQ	182.3620, -11.7420, 25.5860

Conversions

Conversions Part 2

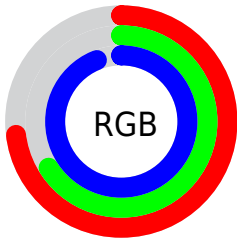
Format	Color
R _Y B	187, 169, 239
Decimal	12298735
CIE Lab	73.01, 20.70, -32.66
CIE LCh	73, 38.663, 302.362
Yxy	45.1727, 0.2744, 0.2466
Android (android.graphics.Color)	4290488815 (0xFFBBA9EF)
YUV	182.3620, 27.9225, 4.0675
Hunter-Lab	67.2106, 15.8771, -30.3563

Details

The Yxy color **45.1727, 0.2744, 0.2466** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **79.9805, 0.3440, 0.4055**, and the grayscale version is **46.8382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7644, 0.3066, 0.2982**, and **21.1280, 0.2635, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **34.9770, 0.2580, 0.2142**, and if you desaturate by 10%, it is **57.2743, 0.2892, 0.2772**.

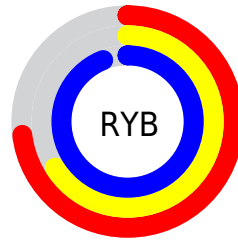
Distribution



Red (73%)

Green (66%)

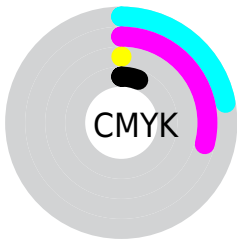
Blue (94%)



Red (73%)

Yellow (66%)

Blue (94%)

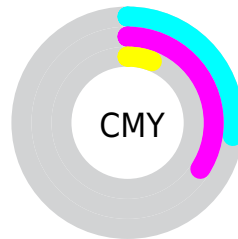


Cyan (22%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (27%)

Magenta (34%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1727, 0.2744, 0.2466 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 45.1727, 0.2744, 0.2466 by changing the saturation by 10% instead.

45.1727, 0.2744,
0.2466

45.1727, 0.2744,
0.2466

367.4725, 0.2939,
0.2856

31.5935, 0.2695,
0.2376

82.9795, 0.2815,
0.2602

21.0512, 0.2633,
0.2264

107.9759, 0.2842,
0.2655

13.1614, 0.2551,
0.2122

137.5468, 0.2864,
0.2701

7.5398, 0.2438,
0.1938

172.0765, 0.2883,
0.2740

3.8019, 0.2276,
0.1690

211.9496, 0.2900,
0.2774

1.5634, 0.2027,
0.1347

257.5504, 0.2915,

0.3327, 0.1654,

0.2805

0.0670

309.2632, 0.2928,
0.2832

0.0000, 0.0000,
0.0000

45.1727, 0.2744,
0.2466

45.1727, 0.2744,
0.2466

34.9770, 0.2580,
0.2142

57.2743, 0.2892,
0.2772

26.5830, 0.2404,
0.1810

71.3678, 0.3022,
0.3054

19.8848, 0.2223,
0.1489

87.5405, 0.3135,
0.3307

14.7628, 0.2046,
0.1199

99.0130, 0.3220,
0.3444

11.0814, 0.1884,
0.0959

■ 8.6809, 0.1749,
0.0787

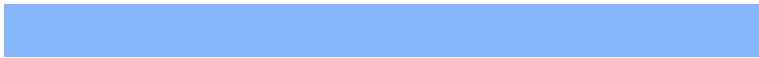
■ 7.3180, 0.1646,
0.0683

■ 7.2409, 0.1640,
0.0677

Harmonies

Analogous

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



45.1727, 0.2348, 0.2440



45.1727, 0.2744, 0.2466



45.1727, 0.3280, 0.2670

Triad

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



45.1727, 0.2744, 0.2466



45.1727, 0.4192, 0.3845



45.1727, 0.2456, 0.3553

Complementary

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



45.1727, 0.2744, 0.2466



79.9805, 0.3440, 0.4055

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.



45.1727, 0.2909, 0.4052



45.1727, 0.2744, 0.2466



45.1727, 0.3920, 0.4176

Square

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



45.1727, 0.2744, 0.2466



45.1727, 0.4160, 0.3425



45.1727, 0.3445, 0.4281



45.1727, 0.2193, 0.3013

Rectangle

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



45.1727, 0.2744, 0.2466



45.1727, 0.3648, 0.2885



45.1727, 0.3445, 0.4281



45.1727, 0.2590, 0.3737

Sweetspot

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



45.1745, 0.2744, 0.2466



83.1306, 0.3025, 0.3061



66.6519, 0.2681, 0.3085



17.2496, 0.3007, 0.3021



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.



45.1745, 0.2744, 0.2466



45.1836, 0.2650, 0.2279



50.0609, 0.3018, 0.2528



15.4253, 0.3020, 0.3049



4.0539, 0.1653, 0.0684



0.3834, 0.1784, 0.0756

Inverse Universe

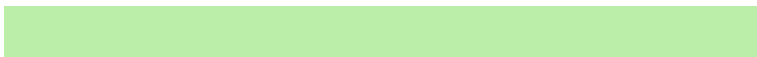
The Inverse Universe completely reimagines the original color for something new.



51.9496, 0.3309, 0.2735



54.2700, 0.3355, 0.2623



75.1100, 0.3201, 0.4116



15.9579, 0.3177, 0.3116



11.9290, 0.3988, 0.1971



1.0084, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 45.1727, 0.2744, 0.2466 looks on a white background.

Color Contrast Check

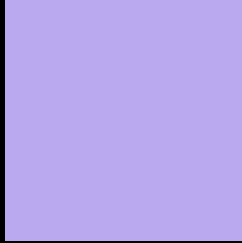
Large Text (above 18pt) WCAG AA × Fail

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 45.1727, 0.2744, 0.2466 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 45.1727, 0.2744, 0.2466

Background



This preview shows how black text looks on a background with the Yxy color 45.1727, 0.2744, 0.2466.



This preview shows how white text looks on a background with the Yxy color 45.1727, 0.2744, 0.2466.

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

45.1727, 0.2744, 0.2466

Protanopia

45.4078, 0.2519, 0.2460

Deuteranopia

45.2230, 0.2598, 0.2528



Tritanopia

45.1115, 0.3017, 0.3107

Trichromacy



Original Color

45.1727, 0.2744, 0.2466

Protanomaly

45.1782, 0.2593, 0.2457

Deuteranomaly

44.9444, 0.2651, 0.2502

Tritanomaly

45.0872, 0.2912, 0.2861

Monochromacy



Original Color

45.1727, 0.2744, 0.2466

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.9464, 0.2982, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1727, 0.2744, 0.2466 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(187, 169, 239)` looks like.

```
.text, #text, p{  
    color:rgb(187, 169, 239)  
}
```

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(187, 169, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 169, 239) }
```

Border

The CSS property to change the border of an element to Yxy 45.1727, 0.2744, 0.2466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

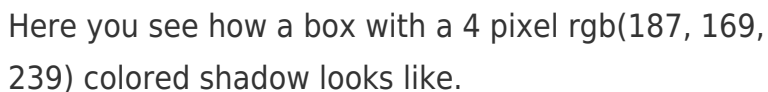
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 169, 239) }
```

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

```
.border{ border-color:rgb(187, 169, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 169, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 169, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 169, 239); box-shadow:4px 4px 4px 4px rgb(187, 169, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1727, 0.2744, 0.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 169, 239) }
```

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

```
.background{ background-color: rgb(187,  
169, 239) }
```

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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