

Converting Colors

$Y_{xy}(45.0611, 0.2693, 0.2479)$

Have a look what the booklet for
Yxy(45.0611, 0.2693, 0.2479)
contains.

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Color

Yxy(45.0611, 0.2693, 0.2479)

Conversions

Conversions Part 1

Format	Color
Hex	B4ABEF
RGB	180, 171, 239
RGB Percent	71%, 67%, 94%
CMY	0.2944, 0.3293, 0.0628
CMYK	0.25, 0.28, 0.00, 0.06
HSL	248°, 68%, 80%
HSV	248°, 28%, 94%
XYZ	48.9510, 45.0611, 87.7592
YIQ	181.4430, -16.4640, 23.0560

Conversions

Conversions Part 2

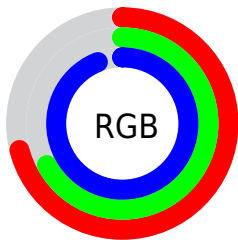
Format	Color
R _Y B	180, 171, 239
Decimal	11840495
CIE Lab	72.93, 17.46, -32.79
CIE LCh	73, 37.152, 298.026
Yxy	45.0611, 0.2693, 0.2479
Android (android.graphics.Color)	4290030575 (0xFFB4ABEF)
YUV	181.4430, 28.3756, -1.2655
Hunter-Lab	67.1276, 12.6932, -30.5234

Details

The Yxy color **45.0611, 0.2693, 0.2479** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **81.4938, 0.3493, 0.4016**, and the grayscale version is **46.3075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6172, 0.3019, 0.2998**, and **21.0482, 0.2570, 0.2278** is the 20% darker color. If you saturate the color by 10%, you get **34.5274, 0.2506, 0.2144**, and if you desaturate by 10%, it is **57.6038, 0.2863, 0.2792**.

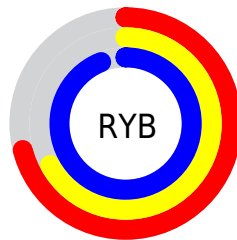
Distribution



Red (71%)

Green (67%)

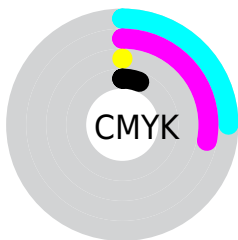
Blue (94%)



Red (71%)

Yellow (67%)

Blue (94%)

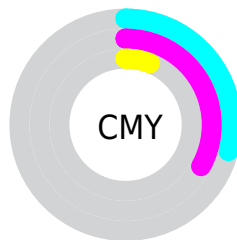


Cyan (25%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (29%)

Magenta (33%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0611, 0.2693, 0.2479 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 45.0611, 0.2693, 0.2479 by changing the saturation by 10% instead.

■ 45.0611, 0.2693,
0.2479

■ 45.0611, 0.2693,
0.2479

367.0210, 0.2912,
0.2865

■ 31.5056, 0.2639,
0.2389

■ 82.8121, 0.2772,
0.2614

■ 20.9841, 0.2570,
0.2278

107.7763, 0.2802,
0.2667

■ 13.1124, 0.2479,
0.2137

137.3122, 0.2828,
0.2711

■ 7.5060, 0.2355,
0.1952

171.8043, 0.2849,
0.2750

■ 3.7805, 0.2179,
0.1703

211.6367, 0.2868,
0.2784

■ 1.5516, 0.1912,
0.1358

257.1941, 0.2885,

■ 0.3246, 0.1508,

0.2814

0.0666

308.8607, 0.2899,
0.2841

0.0000, 0.0000,
0.0000

45.0611, 0.2693,
0.2479

45.0611, 0.2693,
0.2479

34.5274, 0.2506,
0.2144

57.6038, 0.2863,
0.2792

25.8927, 0.2308,
0.1798

72.2468, 0.3015,
0.3075

19.0448, 0.2108,
0.1460

89.0828, 0.3147,
0.3327

13.8572, 0.1920,
0.1155

99.0105, 0.3220,
0.3444

10.1870, 0.1757,
0.0905

■ 7.8665, 0.1632,
0.0731

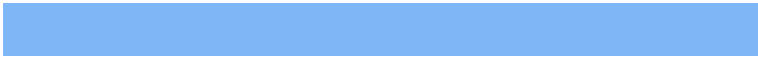
■ 6.6620, 0.1552,
0.0634

■ 6.5271, 0.1542,
0.0623

Harmonies

Analogous

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



45.0611, 0.2336, 0.2483



45.0611, 0.2693, 0.2479



45.0611, 0.3197, 0.2653

Triad

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



45.0611, 0.2693, 0.2479



45.0611, 0.4167, 0.3773



45.0611, 0.2535, 0.3621

Complementary

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



45.0611, 0.2693, 0.2479



81.4938, 0.3493, 0.4016

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.



45.0611, 0.2992, 0.4072



45.0611, 0.2693, 0.2479



45.0611, 0.3944, 0.4109

Square

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



45.0611, 0.2693, 0.2479



45.0611, 0.4089, 0.3363



45.0611, 0.3509, 0.4246



45.0611, 0.2249, 0.3095

Rectangle

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



45.0611, 0.2693, 0.2479



45.0611, 0.3555, 0.2850



45.0611, 0.3509, 0.4246



45.0611, 0.2673, 0.3791

Sweetspot

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



45.0629, 0.2693, 0.2479



82.6336, 0.3006, 0.3059



72.0705, 0.2705, 0.3198



17.1281, 0.2985, 0.3019



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.



45.0629, 0.2693, 0.2479



44.9997, 0.2588, 0.2290



49.5026, 0.2949, 0.2536



15.3281, 0.3000, 0.3047



3.6390, 0.1550, 0.0628



0.3340, 0.1644, 0.0679

Inverse Universe

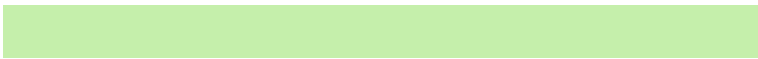
The Inverse Universe completely reimagines the original color for something new.



53.1998, 0.3232, 0.2668



55.8855, 0.3257, 0.2543



76.5403, 0.3260, 0.4074



15.9937, 0.3158, 0.3087



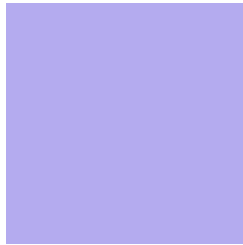
12.6625, 0.3570, 0.1740



1.0632, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 45.0611, 0.2693, 0.2479 looks on a white background.

Color Contrast Check

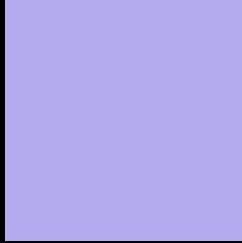
Large Text (above 18pt) WCAG AA × Fail

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 45.0611, 0.2693, 0.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

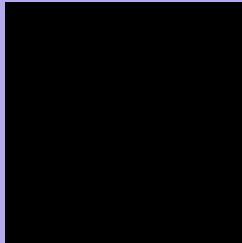
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0611, 0.2693, 0.2479

Background



This preview shows how black text looks on a background with the Yxy color 45.0611, 0.2693, 0.2479.



This preview shows how white text looks on a background with the Yxy color 45.0611, 0.2693, 0.2479.

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

45.0611, 0.2693, 0.2479

Protanopia

45.3889, 0.2537, 0.2482

Deuteranopia

45.1162, 0.2591, 0.2527



Tritanopia

45.1955, 0.2944, 0.3105

Trichromacy



Original Color

45.0611, 0.2693, 0.2479

Protanomaly

45.2862, 0.2587, 0.2477

Deuteranomaly

44.9912, 0.2631, 0.2510

Tritanomaly

45.0961, 0.2850, 0.2868

Monochromacy



Original Color

45.0611, 0.2693, 0.2479

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.5323, 0.2965, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0611, 0.2693, 0.2479 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, 171, 239)` looks like.

```
.text, #text, p{  
    color:rgb(180, 171, 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(180, 171, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 171, 239) }
```

Border

The CSS property to change the border of an element to Yxy 45.0611, 0.2693, 0.2479 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, 171, 239) }
```

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

```
.border{ border-color:rgb(180, 171, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 171, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 171, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 171, 239);  
box-shadow:4px 4px 4px 4px rgb(180, 171,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0611, 0.2693, 0.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 171, 239) }
```

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

```
.background{ background-color: rgb(180,  
171, 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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