

Converting Colors

$Yxy(45.8491, 0.2739, 0.2444)$

Have a look what the booklet for
Yxy(45.8491, 0.2739, 0.2444)
contains.

Yxy(45.9791, 0.2740, 0.2452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9791, 0.2740, 0.2452)

Conversions

Conversions Part 1

Format	Color
Hex	BDAAF2
RGB	189, 170, 242
RGB Percent	74%, 67%, 95%
CMY	0.2589, 0.3333, 0.0510
CMYK	0.22, 0.30, 0.00, 0.05
HSL	256°, 73%, 81%
HSV	256°, 30%, 95%
XYZ	51.3796, 45.9791, 90.1580
YIQ	183.8890, -11.7880, 26.4200

Conversions

Conversions Part 2

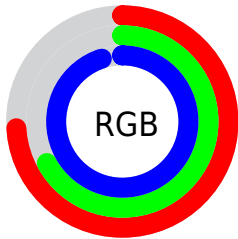
Format	Color
R _Y B	189, 170, 242
Decimal	12430066
CIE Lab	73.53, 21.39, -33.44
CIE LCh	74, 39.698, 302.607
Yxy	45.9791, 0.2740, 0.2452
Android (android.graphics.Color)	4290620146 (0xFFBDAAF2)
YUV	183.8890, 28.6487, 4.4823
Hunter-Lab	67.8079, 16.5897, -31.3670

Details

The Yxy color `45.9791, 0.2740, 0.2452` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `82.0913, 0.3442, 0.4069`, and the grayscale version is `47.7113, 0.3127, 0.3290`.

A 20% lighter version of the original color is `80.6633, 0.3080, 0.2994`, and `21.5704, 0.2621, 0.2246` is the 20% darker color. If you saturate the color by 10%, you get `35.5860, 0.2577, 0.2127`, and if you desaturate by 10%, it is `58.3259, 0.2887, 0.2759`.

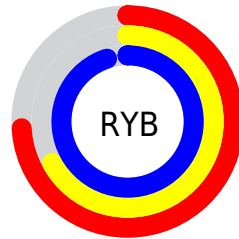
Distribution



Red (74%)

Green (67%)

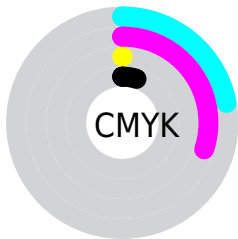
Blue (95%)



Red (74%)

Yellow (67%)

Blue (95%)

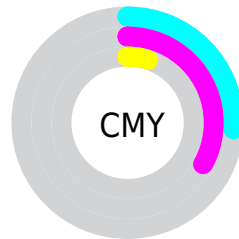


Cyan (22%)

Magenta (30%)

Yellow (0%)

Black (5%)



Cyan (26%)

Magenta (33%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9791, 0.2740, 0.2452 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 45.9791, 0.2740, 0.2452 by changing the saturation by 10% instead.

45.9791, 0.2740,
0.2452

45.9791, 0.2740,
0.2452

370.7246, 0.2936,
0.2847

32.2293, 0.2691,
0.2361

84.1877, 0.2811,
0.2590

21.5367, 0.2629,
0.2249

109.4154, 0.2838,
0.2643

13.5169, 0.2546,
0.2107

139.2377, 0.2861,
0.2689

7.7854, 0.2434,
0.1923

174.0393, 0.2880,
0.2729

3.9580, 0.2273,
0.1677

214.2043, 0.2897,
0.2764

1.6501, 0.2029,
0.1339

260.1173, 0.2912,


0.3910, 0.1657,


0.2795


0.0724


312.1626, 0.2925,
0.2822


 0.0000, 0.0000,
0.0000


 45.9791, 0.2740,
0.2452


 45.9791, 0.2740,
0.2452

 35.5860, 0.2577,
0.2127


 58.3259, 0.2887,
0.2759


 27.0391, 0.2401,
0.1797

 72.7151, 0.3017,
0.3041

 20.2291, 0.2221,
0.1477

 89.2367, 0.3130,
0.3296

 15.0324, 0.2045,
0.1189

 99.1899, 0.3203,
0.3415

 11.3086, 0.1884,
0.0953

■ 8.8920, 0.1750,
0.0784

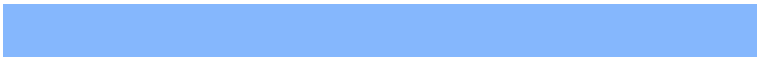
■ 7.5196, 0.1648,
0.0683

■ 7.4904, 0.1646,
0.0680

Harmonies

Analogous

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



45.9791, 0.2336, 0.2424



45.9791, 0.2740, 0.2452



45.9791, 0.3287, 0.2661

Triad

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



45.9791, 0.2740, 0.2452



45.9791, 0.4212, 0.3858



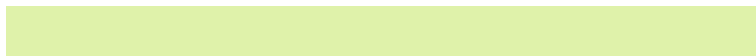
45.9791, 0.2440, 0.3554

Complementary

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



45.9791, 0.2740, 0.2452



82.0913, 0.3442, 0.4069

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.



45.9791, 0.2900, 0.4066



45.9791, 0.2740, 0.2452



45.9791, 0.3931, 0.4195

Square

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



45.9791, 0.2740, 0.2452



45.9791, 0.4183, 0.3430



45.9791, 0.3446, 0.4302



45.9791, 0.2174, 0.3002

Rectangle

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



45.9791, 0.2740, 0.2452



45.9791, 0.3663, 0.2880



45.9791, 0.3446, 0.4302



45.9791, 0.2575, 0.3742

Sweetspot

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



45.9810, 0.2740, 0.2452



83.1546, 0.3026, 0.3061



68.2654, 0.2675, 0.3081



17.2555, 0.3008, 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.



45.9810, 0.2740, 0.2452



44.0972, 0.2638, 0.2247



51.0124, 0.3015, 0.2516



15.4300, 0.3021, 0.3049



4.0807, 0.1660, 0.0688



0.3862, 0.1792, 0.0761

Inverse Universe

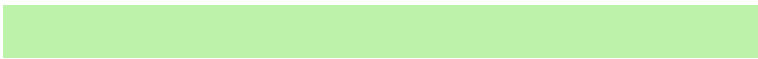
The Inverse Universe completely reimagines the original color for something new.



52.9604, 0.3316, 0.2731



53.2853, 0.3368, 0.2610



77.0905, 0.3202, 0.4131



15.9562, 0.3178, 0.3118



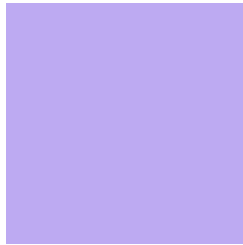
11.8975, 0.4010, 0.1983



1.0060, 0.3881, 0.1912

Previews

White Background



This preview shows how the Yxy color 45.9791, 0.2740, 0.2452 looks on a white background.

Color Contrast Check

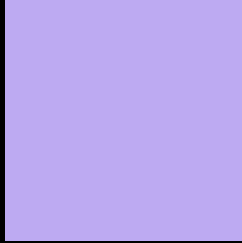
Large Text (above 18pt) WCAG AA × Fail

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 45.9791, 0.2740, 0.2452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

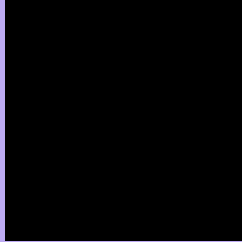
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9791, 0.2740, 0.2452

Background



This preview shows how black text looks on a background with the Yxy color 45.9791, 0.2740, 0.2452.



This preview shows how white text looks on a background with the Yxy color 45.9791, 0.2740, 0.2452.

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

45.9791, 0.2740, 0.2452

Protanopia

46.0917, 0.2510, 0.2443

Deuteranopia

46.1314, 0.2589, 0.2533



Tritanopia

45.8385, 0.3018, 0.3096

Trichromacy



Original Color

45.9791, 0.2740, 0.2452

Protanomaly

45.9717, 0.2590, 0.2442

Deuteranomaly

46.0095, 0.2642, 0.2498

Tritanomaly

45.8211, 0.2914, 0.2852

Monochromacy



Original Color

45.9791, 0.2740, 0.2452

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.0871, 0.2984, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9791, 0.2740, 0.2452 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(189, 170, 242)` looks like.

```
.text, #text, p{  
    color:rgb(189, 170, 242)  
}
```

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(189, 170, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 170, 242) }
```

Border

The CSS property to change the border of an element to Yxy 45.9791, 0.2740, 0.2452 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(189, 170, 242) }
```

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

```
.border{ border-color:rgb(189, 170, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 170, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 170, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 170, 242); box-shadow:4px 4px 4px 4px rgb(189, 170, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9791, 0.2740, 0.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 170, 242) }
```

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

```
.background{ background-color: rgb(189,  
170, 242) }
```

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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