

Converting Colors

$Yxy(45.6162, 0.2703, 0.2438)$

Have a look what the booklet for
Yxy(45.6162, 0.2703, 0.2438)
contains.

Yxy(45.5348, 0.2704, 0.2435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.5348, 0.2704, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	B9AAF3
RGB	185, 170, 243
RGB Percent	73%, 67%, 95%
CMY	0.2743, 0.3334, 0.0471
CMYK	0.24, 0.30, 0.00, 0.05
HSL	252°, 75%, 81%
HSV	252°, 30%, 95%
XYZ	50.5651, 45.5348, 90.9013
YIQ	182.8070, -14.4930, 25.8830

Conversions

Conversions Part 2

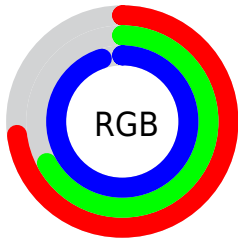
Format	Color
R _{YB}	185, 170, 243
Decimal	12167923
CIE Lab	73.24, 20.48, -34.45
CIE LCh	73, 40.080, 300.722
Yxy	45.5348, 0.2704, 0.2435
Android (android.graphics.Color)	4290358003 (0xFFB9AAF3)
YUV	182.8070, 29.6751, 1.9233
Hunter-Lab	67.4795, 15.6683, -32.6337

Details

The Yxy color **45.5348, 0.2704, 0.2435** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **83.4731, 0.3475, 0.4069**, and the grayscale version is **47.0867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9477, 0.3053, 0.2991**, and **21.3700, 0.2584, 0.2226** is the 20% darker color. If you saturate the color by 10%, you get **35.0147, 0.2529, 0.2104**, and if you desaturate by 10%, it is **58.0674, 0.2863, 0.2747**.

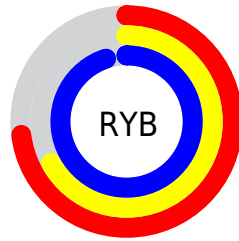
Distribution



Red (73%)

Green (67%)

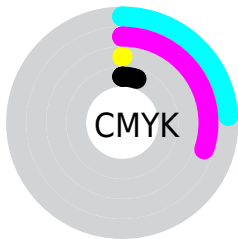
Blue (95%)



Red (73%)

Yellow (67%)

Blue (95%)

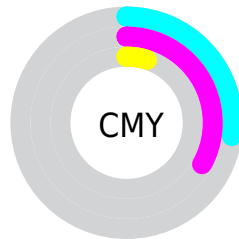


Cyan (24%)

Magenta (30%)

Yellow (0%)

Black (5%)



Cyan (27%)

Magenta (33%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5348, 0.2704, 0.2435 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 45.5348, 0.2704, 0.2435 by changing the saturation by 10% instead.

45.5348, 0.2704,
0.2435

45.5348, 0.2704,
0.2435

368.9352, 0.2918,
0.2838

31.8789, 0.2651,
0.2342

83.5224, 0.2782,
0.2576

21.2690, 0.2583,
0.2227

108.6228, 0.2811,
0.2630

13.3208, 0.2495,
0.2082

138.3068, 0.2836,
0.2677

7.6498, 0.2374,
0.1895

172.9589, 0.2857,
0.2718

3.8717, 0.2202,
0.1644

212.9634, 0.2875,
0.2754

1.6021, 0.1942,
0.1301

258.7047, 0.2891,


0.3590, 0.1554,

0.2785


0.0663

310.5671, 0.2905,
0.2813

 0.0000, 0.0000,
0.0000


 45.5348, 0.2704,
0.2435


 45.5348, 0.2704,
0.2435

 35.0147, 0.2529,
0.2104

 58.0674, 0.2863,
0.2747


 26.3957, 0.2342,
0.1767


 72.7051, 0.3004,
0.3033

 19.5638, 0.2153,
0.1440

 89.5412, 0.3127,
0.3289

 14.3906, 0.1972,
0.1148

 99.2498, 0.3197,
0.3405

 10.7299, 0.1811,
0.0911

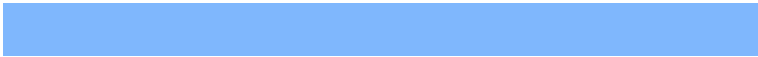
■ 8.4088, 0.1683,
0.0746

■ 7.1508, 0.1592,
0.0651

Harmonies

Analogous

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



45.5348, 0.2308, 0.2419



45.5348, 0.2704, 0.2435



45.5348, 0.3252, 0.2636

Triad

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



45.5348, 0.2704, 0.2435



45.5348, 0.4234, 0.3838



45.5348, 0.2455, 0.3593

Complementary

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



45.5348, 0.2704, 0.2435



83.4731, 0.3475, 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.



45.5348, 0.2930, 0.4102



45.5348, 0.2704, 0.2435



45.5348, 0.3966, 0.4189

Square

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



45.5348, 0.2704, 0.2435



45.5348, 0.4183, 0.3403



45.5348, 0.3483, 0.4319



45.5348, 0.2173, 0.3029

Rectangle

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



45.5348, 0.2704, 0.2435



45.5348, 0.3635, 0.2852



45.5348, 0.3483, 0.4319



45.5348, 0.2596, 0.3783

Sweetspot

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



45.5366, 0.2704, 0.2435



82.9286, 0.3017, 0.3060



70.7126, 0.2675, 0.3121



17.2001, 0.2998, 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.



45.5366, 0.2704, 0.2435



43.4468, 0.2600, 0.2236



50.6019, 0.2984, 0.2501



16.0913, 0.3011, 0.3047



3.9711, 0.1603, 0.0657



0.3910, 0.1715, 0.0719

Inverse Universe

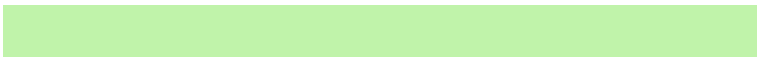
The Inverse Universe completely reimagines the original color for something new.



53.3952, 0.3284, 0.2684



53.5855, 0.3323, 0.2562



78.1831, 0.3226, 0.4135



16.7063, 0.3170, 0.3104



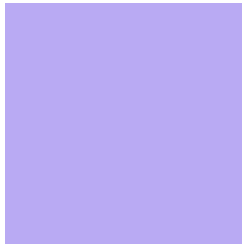
12.5884, 0.3812, 0.1873



1.1208, 0.3721, 0.1824

Previews

White Background



This preview shows how the Yxy color 45.5348, 0.2704, 0.2435 looks on a white background.

Color Contrast Check

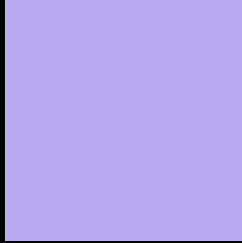
Large Text (above 18pt) WCAG AA × Fail

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 45.5348, 0.2704, 0.2435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

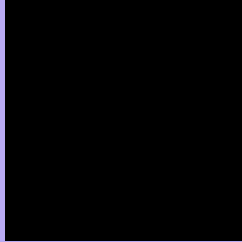
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5348, 0.2704, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 45.5348, 0.2704, 0.2435.

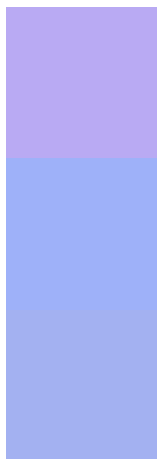


This preview shows how white text looks on a background with the Yxy color 45.5348, 0.2704, 0.2435.

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

45.5348, 0.2704, 0.2435

Protanopia

45.5529, 0.2490, 0.2418

Deuteranopia

45.5817, 0.2568, 0.2507



Tritanopia

45.7677, 0.2985, 0.3107

Trichromacy



Original Color

45.5348, 0.2704, 0.2435

Protanomaly

45.3123, 0.2563, 0.2415

Deuteranomaly

45.3408, 0.2613, 0.2471

Tritanomaly

45.3878, 0.2875, 0.2837

Monochromacy



Original Color

45.5348, 0.2704, 0.2435

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.4389, 0.2967, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5348, 0.2704, 0.2435 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(185, 170, 243)` looks like.

```
.text, #text, p{  
    color:rgb(185, 170, 243)  
}
```

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(185, 170, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 170, 243) }
```

Border

The CSS property to change the border of an element to Yxy 45.5348, 0.2704, 0.2435 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(185, 170, 243) }
```

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

```
.border{ border-color:rgb(185, 170, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 170, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 170, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 170, 243);  
box-shadow:4px 4px 4px 4px rgb(185, 170,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5348, 0.2704, 0.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 170, 243) }
```

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

```
.background{ background-color: rgb(185,  
170, 243) }
```

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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