

Converting Colors

$Y_{xy}(45.7376, 0.2792, 0.2443)$

Have a look what the booklet for
Yxy(45.7376, 0.2792, 0.2443)
contains.

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Color

Yxy(45.5904, 0.2791, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	C3A7F1
RGB	195, 167, 241
RGB Percent	76%, 65%, 95%
CMY	0.2351, 0.3452, 0.0549
CMYK	0.19, 0.31, 0.00, 0.05
HSL	263°, 73%, 80%
HSV	263°, 31%, 95%
XYZ	52.2129, 45.5904, 89.2726
YIQ	183.8080, -7.0660, 28.9500

Conversions

Conversions Part 2

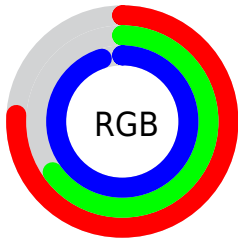
Format	Color
R_{YB}	195, 167, 241
Decimal	12822513
CIE _{Lab}	73.28, 24.67, -33.26
CIE _{LCh}	73, 41.413, 306.568
Yxy	45.5904, 0.2791, 0.2437
Android (android.graphics.Color)	4291012593 (0xFFC3A7F1)
YUV	183.8080, 28.1957, 9.8154
Hunter-Lab	67.5207, 19.8707, -31.1260

Details

The Yxy color **45.5904, 0.2791, 0.2437** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **79.8411, 0.3391, 0.4112**, and the grayscale version is **47.6698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1580, 0.3122, 0.2968**, and **21.3397, 0.2686, 0.2230** is the 20% darker color. If you saturate the color by 10%, you get **35.6758, 0.2651, 0.2124**, and if you desaturate by 10%, it is **57.3537, 0.2916, 0.2737**.

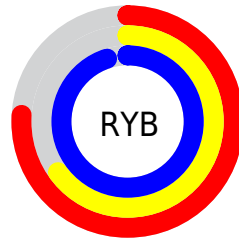
Distribution



Red (76%)

Green (65%)

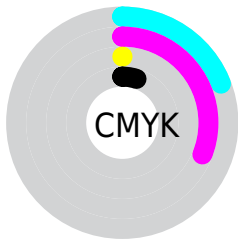
Blue (95%)



Red (76%)

Yellow (65%)

Blue (95%)

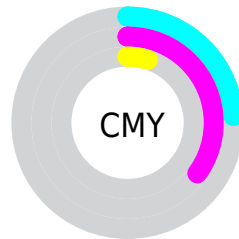


Cyan (19%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (24%)


Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5904, 0.2791, 0.2437 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 45.5904, 0.2791, 0.2437 by changing the saturation by 10% instead.


 45.5904, 0.2791,
0.2437


 45.5904, 0.2791,
0.2437


369.1595, 0.2964,
0.2838

 31.9227, 0.2747,
0.2345

 83.6057, 0.2854,
0.2577

 21.3025, 0.2691,
0.2232

 108.7220, 0.2878,
0.2631

 13.3453, 0.2617,
0.2088


138.4234, 0.2898,
0.2677

 7.6667, 0.2515,
0.1903

173.0942, 0.2915,
0.2718

 3.8825, 0.2367,
0.1656

213.1188, 0.2930,
0.2753

 1.6080, 0.2138,
0.1317


258.8816, 0.2943,

 0.3630, 0.1790,

0.2785

0.0683


310.7671, 0.2954,
0.2813


 0.0000, 0.0000,
0.0000


 45.5904, 0.2791,
0.2437


 45.5904, 0.2791,
0.2437


 35.6758, 0.2651,
0.2124


 57.3537, 0.2916,
0.2737


 27.5069, 0.2499,
0.1809


 71.0504, 0.3026,
0.3017


 20.9790, 0.2340,
0.1508

 86.7662, 0.3121,
0.3273

 15.9733, 0.2182,
0.1239

 99.1123, 0.3208,
0.3425

 12.3542, 0.2032,
0.1018

 99.1314, 0.3209,
0.3425

■ 9.9608, 0.1900,
0.0859

■ 8.5960, 0.1796,
0.0763

Harmonies

Analogous

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



45.5904, 0.2347, 0.2380



45.5904, 0.2791, 0.2437



45.5904, 0.3373, 0.2675

Triad

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



45.5904, 0.2791, 0.2437



45.5904, 0.4238, 0.3932



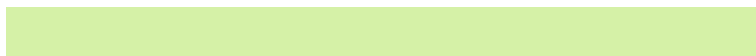
45.5904, 0.2359, 0.3485

Complementary

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



45.5904, 0.2791, 0.2437



79.8411, 0.3391, 0.4112

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.



45.5904, 0.2816, 0.4047



45.5904, 0.2791, 0.2437



45.5904, 0.3907, 0.4266

Square

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



45.5904, 0.2791, 0.2437



45.5904, 0.4256, 0.3492



45.5904, 0.3382, 0.4341



45.5904, 0.2116, 0.2919

Rectangle

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



45.5904, 0.2791, 0.2437



45.5904, 0.3760, 0.2913



45.5904, 0.3382, 0.4341



45.5904, 0.2491, 0.3686

Sweetspot

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



45.5923, 0.2791, 0.2437



83.6189, 0.3043, 0.3062



62.5901, 0.2648, 0.2969



17.3693, 0.3029, 0.3023



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.



45.5923, 0.2791, 0.2437



44.3814, 0.2703, 0.2238



50.9945, 0.3081, 0.2506



15.5208, 0.3039, 0.3050



4.7323, 0.1812, 0.0772



0.4490, 0.1958, 0.0852

Inverse Universe

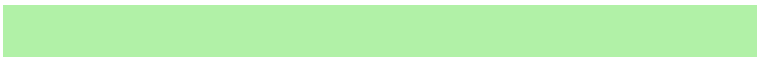
The Inverse Universe completely reimagines the original color for something new.



51.1341, 0.3398, 0.2798



51.7535, 0.3474, 0.2694



75.0347, 0.3147, 0.4177



15.9239, 0.3196, 0.3144



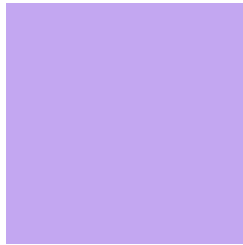
11.3552, 0.4455, 0.2228



0.9639, 0.4247, 0.2113

Previews

White Background



This preview shows how the Yxy color 45.5904, 0.2791, 0.2437 looks on a white background.

Color Contrast Check

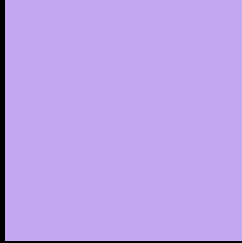
Large Text (above 18pt) WCAG AA × Fail

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 45.5904, 0.2791, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

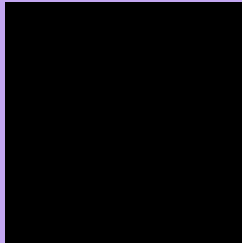
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5904, 0.2791, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 45.5904, 0.2791, 0.2437.



This preview shows how white text looks on a background with the Yxy color 45.5904, 0.2791, 0.2437.

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

45.5904, 0.2791, 0.2437

Protanopia

46.0513, 0.2498, 0.2432

Deuteranopia

45.6756, 0.2594, 0.2530



Tritanopia

45.6450, 0.3092, 0.3111

Trichromacy



Original Color

45.5904, 0.2791, 0.2437

Protanomaly

45.6966, 0.2596, 0.2432

Deuteranomaly

45.4085, 0.2660, 0.2486

Tritanomaly

45.3094, 0.2978, 0.2844

Monochromacy



Original Color

45.5904, 0.2791, 0.2437

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.9399, 0.3000, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5904, 0.2791, 0.2437 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(195, 167, 241)` looks like.

```
.text, #text, p{  
    color:rgb(195, 167, 241)  
}
```

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(195, 167, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 167, 241) }
```

Border

The CSS property to change the border of an element to Yxy 45.5904, 0.2791, 0.2437 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(195, 167, 241) }
```

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

```
.border{ border-color:rgb(195, 167, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 167, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 167, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 167, 241);  
box-shadow:4px 4px 4px 4px rgb(195, 167,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5904, 0.2791, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 167, 241) }
```

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

```
.background{ background-color: rgb(195,  
167, 241) }
```

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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