

Converting Colors

$Y_{xy}(45.2964, 0.2827, 0.2518)$

Have a look what the booklet for
Yxy(45.2964, 0.2827, 0.2518)
contains.

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Color

Yxy(45.2832, 0.2824, 0.2515)

Conversions

Conversions Part 1

Format	Color
Hex	C1A8EA
RGB	193, 168, 234
RGB Percent	76%, 66%, 92%
CMY	0.2432, 0.3412, 0.0822
CMYK	0.18, 0.28, 0.00, 0.08
HSL	263°, 61%, 79%
HSV	263°, 28%, 92%
XYZ	50.8468, 45.2832, 83.9225
YIQ	182.9990, -6.2860, 25.8260

Conversions

Conversions Part 2

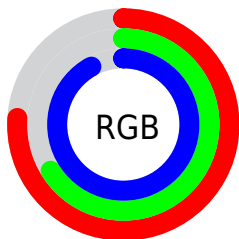
Format	Color
R _{YB}	193, 168, 234
Decimal	12691690
CIE Lab	73.08, 21.94, -29.79
CIE LCh	73, 36.996, 306.366
Yxy	45.2832, 0.2824, 0.2515
Android (android.graphics.Color)	4290881770 (0xFFC1A8EA)
YUV	182.9990, 25.1435, 8.7709
Hunter-Lab	67.2928, 17.1132, -26.8370

Details

The Yxy color $45.2832, 0.2824, 0.2515$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $75.2501, 0.3371, 0.4039$, and the grayscale version is $47.2163, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.3193, 0.3107, 0.2976$, and $21.1941, 0.2739, 0.2329$ is the 20% darker color. If you saturate the color by 10%, you get $35.5888, 0.2688, 0.2205$, and if you desaturate by 10%, it is $56.7243, 0.2945, 0.2810$.

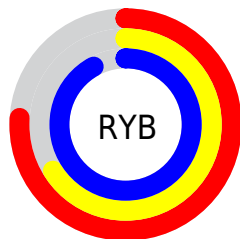
Distribution



Red (76%)

Green (66%)

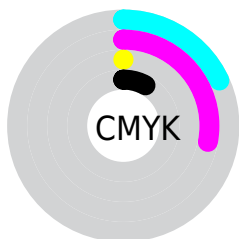
Blue (92%)



Red (76%)

Yellow (66%)

Blue (92%)

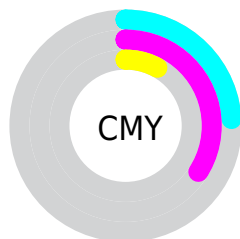


Cyan (18%)

Magenta (28%)

Yellow (0%)

Black (8%)



Cyan (24%)


Magenta (34%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2832, 0.2824, 0.2515 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 45.2832, 0.2824, 0.2515 by changing the saturation by 10% instead.


 45.2832, 0.2824,
0.2515

 45.2832, 0.2824,
0.2515


367.9193, 0.2980,
0.2882

 31.6806, 0.2784,
0.2430


 83.1452, 0.2881,
0.2644

 21.1176, 0.2733,
0.2324


 108.1734, 0.2903,
0.2694

 13.2100, 0.2666,
0.2189


137.7788, 0.2921,
0.2736

 7.5733, 0.2572,
0.2012

172.3460, 0.2936,
0.2773

 3.8232, 0.2434,
0.1774

212.2592, 0.2949,
0.2806

 1.5751, 0.2218,
0.1438

257.9029, 0.2961,

 0.3408, 0.1888,

0.2834

0.0748

309.6615, 0.2971,
0.2860

0.0000, 0.0000,
0.0000

45.2832, 0.2824,
0.2515

45.2832, 0.2824,
0.2515

35.5888, 0.2688,
0.2205

56.7243, 0.2945,
0.2810

27.5467, 0.2538,
0.1890

69.9888, 0.3051,
0.3084

21.0619, 0.2381,
0.1584

85.1558, 0.3142,
0.3333

16.0270, 0.2222,
0.1305

98.0039, 0.3225,
0.3494

12.3204, 0.2069,
0.1070

98.7221, 0.3250,
0.3493

■ 9.7997, 0.1931,
0.0894

■ 8.2655, 0.1815,
0.0780

■ 8.0444, 0.1796,
0.0763

Harmonies

Analogous

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



45.2832, 0.2420, 0.2467



45.2832, 0.2824, 0.2515



45.2832, 0.3346, 0.2732

Triad

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



45.2832, 0.2824, 0.2515



45.2832, 0.4127, 0.3876



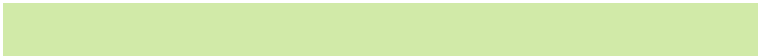
45.2832, 0.2439, 0.3471

Complementary

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



45.2832, 0.2824, 0.2515



75.2501, 0.3371, 0.4039

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.



45.2832, 0.2855, 0.3963



45.2832, 0.2824, 0.2515



45.2832, 0.3836, 0.4168

Square

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



45.2832, 0.2824, 0.2515



45.2832, 0.4137, 0.3478



45.2832, 0.3366, 0.4225



45.2832, 0.2213, 0.2966

Rectangle

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



45.2832, 0.2824, 0.2515



45.2832, 0.3691, 0.2949



45.2832, 0.3366, 0.4225



45.2832, 0.2560, 0.3648

Sweetspot

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



45.2851, 0.2824, 0.2515



85.3418, 0.3053, 0.3088



60.2713, 0.2688, 0.3000



17.7126, 0.3038, 0.3048



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.



45.2851, 0.2824, 0.2515



47.7689, 0.2745, 0.2332



49.9926, 0.3087, 0.2573



14.8267, 0.3039, 0.3051



4.5858, 0.1812, 0.0772



0.4136, 0.1966, 0.0857

Inverse Universe

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



50.1095, 0.3370, 0.2840



54.6603, 0.3437, 0.2742



71.0131, 0.3147, 0.4094



15.2115, 0.3196, 0.3145



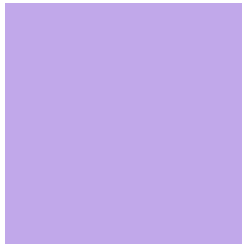
11.0116, 0.4450, 0.2225



0.8833, 0.4232, 0.2105

Previews

White Background



This preview shows how the Yxy color 45.2832, 0.2824, 0.2515 looks on a white background.

Color Contrast Check

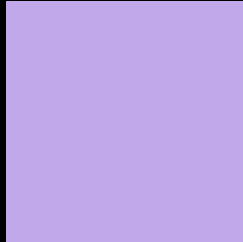
Large Text (above 18pt) WCAG AA × Fail

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 45.2832, 0.2824, 0.2515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

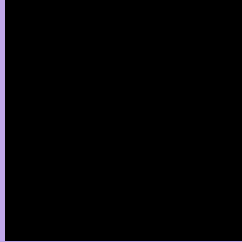
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2832, 0.2824, 0.2515

Background



This preview shows how black text looks on a background with the Yxy color 45.2832, 0.2824, 0.2515.



This preview shows how white text looks on a background with the Yxy color 45.2832, 0.2824, 0.2515.

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

45.2832, 0.2824, 0.2515

Protanopia

45.3722, 0.2555, 0.2504

Deuteranopia

45.3119, 0.2663, 0.2598



Tritanopia

45.0827, 0.3092, 0.3110

Trichromacy



Original Color

45.2832, 0.2824, 0.2515

Protanomaly

45.3294, 0.2652, 0.2515

Deuteranomaly

45.2353, 0.2720, 0.2562

Tritanomaly

45.0347, 0.2992, 0.2878

Monochromacy



Original Color

45.2832, 0.2824, 0.2515

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.6699, 0.3015, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2832, 0.2824, 0.2515 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(193, 168, 234)` looks like.

```
.text, #text, p{  
    color:rgb(193, 168, 234)  
}
```

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(193, 168, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 168, 234) }
```

Border

The CSS property to change the border of an element to Yxy 45.2832, 0.2824, 0.2515 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(193, 168, 234) }
```

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

```
.border{ border-color:rgb(193, 168, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 168, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 168, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 168, 234);  
box-shadow:4px 4px 4px 4px rgb(193, 168,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2832, 0.2824, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 168, 234) }
```

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

```
.background{ background-color: rgb(193,  
168, 234) }
```

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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