

Converting Colors

$Y_{xy}(45.4743, 0.2858, 0.2463)$

Have a look what the booklet for
Yxy(45.4743, 0.2858, 0.2463)
contains.

Yxy(45.3041, 0.2857, 0.2463)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.3041, 0.2857, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	C8A5ED
RGB	200, 165, 237
RGB Percent	78%, 65%, 93%
CMY	0.2158, 0.3529, 0.0706
CMYK	0.16, 0.30, 0.00, 0.07
HSL	269°, 67%, 79%
HSV	269°, 30%, 93%
XYZ	52.5513, 45.3041, 86.0833
YIQ	183.6730, -2.2520, 29.8120

Conversions

Conversions Part 2

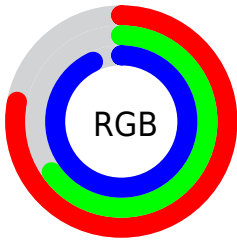
Format	Color
R_{YB}	200, 165, 237
Decimal	13149677
CIE _{Lab}	73.09, 26.36, -31.33
CIE _{LCh}	73, 40.944, 310.082
Yxy	45.3041, 0.2857, 0.2463
Android (android.graphics.Color)	4291339757 (0xFFC8A5ED)
YUV	183.6730, 26.2902, 14.3188
Hunter-Lab	67.3083, 21.5751, -28.7125

Details

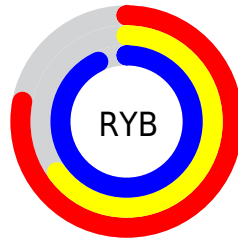
The Yxy color $45.3041, 0.2857, 0.2463$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $75.8394, 0.3334, 0.4115$, and the grayscale version is $47.5959, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.6664, 0.3143, 0.2950$, and $21.1662, 0.2772, 0.2263$ is the 20% darker color. If you saturate the color by 10%, you get $35.9212, 0.2742, 0.2163$, and if you desaturate by 10%, it is $56.4085, 0.2959, 0.2754$.

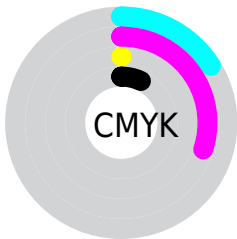
Distribution



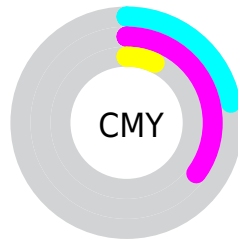
- Red (78%)
- Green (65%)
- Blue (93%)



- Red (78%)
- Yellow (65%)
- Blue (93%)



- Cyan (16%)
- Magenta (30%)
- Yellow (0%)
- Black (7%)





- Cyan (22%)
- Magenta (35%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3041, 0.2857, 0.2463 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 45.3041, 0.2857, 0.2463 by changing the saturation by 10% instead.


 45.3041, 0.2857,
0.2463

 45.3041, 0.2857,
0.2463


368.0038, 0.2998,
0.2852

 31.6970, 0.2821,
0.2373


 83.1766, 0.2909,
0.2599

 21.1302, 0.2774,
0.2263


 108.2107, 0.2929,
0.2651

 13.2192, 0.2711,
0.2123

137.8227, 0.2945,
0.2697

 7.5797, 0.2624,
0.1941

172.3969, 0.2959,
0.2736

 3.8272, 0.2495,
0.1697

212.3177, 0.2971,
0.2770

 1.5774, 0.2291,
0.1360

257.9696, 0.2981,

 0.3423, 0.1980,

0.2801

0.0695

309.7368, 0.2990,
0.2828

0.0000, 0.0000,
0.0000

45.3041, 0.2857,
0.2463

45.3041, 0.2857,
0.2463

35.9212, 0.2742,
0.2163

56.4085, 0.2959,
0.2754

28.1636, 0.2615,
0.1863

69.3127, 0.3048,
0.3028

21.9336, 0.2481,
0.1579

84.0969, 0.3125,
0.3281

17.1208, 0.2344,
0.1325

97.7236, 0.3192,
0.3466

13.5988, 0.2210,
0.1116

98.8935, 0.3232,
0.3464

■ 11.2176, 0.2086,
0.0963

■ 9.7633, 0.1980,
0.0864

Harmonies

Analogous

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



45.3041, 0.2395, 0.2384



45.3041, 0.2857, 0.2463



45.3041, 0.3441, 0.2718

Triad

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



45.3041, 0.2857, 0.2463



45.3041, 0.4204, 0.3974



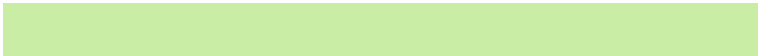
45.3041, 0.2326, 0.3413

Complementary

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



45.3041, 0.2857, 0.2463



75.8394, 0.3334, 0.4115

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.



45.3041, 0.2758, 0.3983



45.3041, 0.2857, 0.2463



45.3041, 0.3847, 0.4282

Square

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



45.3041, 0.2857, 0.2463



45.3041, 0.4262, 0.3544



45.3041, 0.3314, 0.4316



45.3041, 0.2111, 0.2867

Rectangle

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



45.3041, 0.2857, 0.2463



45.3041, 0.3816, 0.2962



45.3041, 0.3314, 0.4316



45.3041, 0.2449, 0.3613

Sweetspot

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



45.3060, 0.2857, 0.2463



84.0506, 0.3059, 0.3063



56.4513, 0.2642, 0.2870



17.4754, 0.3047, 0.3025



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.



45.3060, 0.2857, 0.2463



46.8628, 0.2792, 0.2290



50.8277, 0.3153, 0.2533



14.9079, 0.3056, 0.3052



5.4087, 0.1997, 0.0874



0.4818, 0.2148, 0.0957

Inverse Universe

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



49.1861, 0.3463, 0.2885



52.1998, 0.3550, 0.2805



71.4079, 0.3093, 0.4179



15.1834, 0.3212, 0.3169



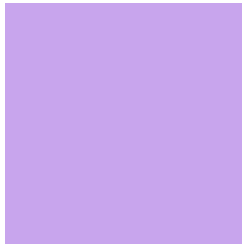
10.6226, 0.4895, 0.2470



0.8536, 0.4598, 0.2307

Previews

White Background



This preview shows how the Yxy color 45.3041, 0.2857, 0.2463 looks on a white background.

Color Contrast Check

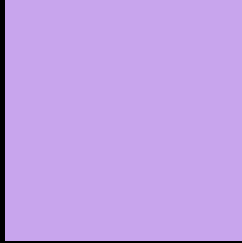
Large Text (above 18pt) WCAG AA × Fail

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 45.3041, 0.2857, 0.2463 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 45.3041, 0.2857, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 45.3041, 0.2857, 0.2463.



This preview shows how white text looks on a background with the Yxy color 45.3041, 0.2857, 0.2463.

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

45.3041, 0.2857, 0.2463

Protanopia

45.4690, 0.2513, 0.2449

Deuteranopia

45.6579, 0.2632, 0.2576



Tritanopia

45.1094, 0.3171, 0.3113

Trichromacy



Original Color

45.3041, 0.2857, 0.2463

Protanomaly

45.3569, 0.2627, 0.2453

Deuteranomaly

45.5270, 0.2707, 0.2532

Tritanomaly

45.1842, 0.3052, 0.2860

Monochromacy



Original Color

45.3041, 0.2857, 0.2463

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.7032, 0.3032, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3041, 0.2857, 0.2463 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(200, 165, 237)` looks like.

```
.text, #text, p{  
    color:rgb(200, 165, 237)  
}
```

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(200, 165, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 165, 237) }
```

Border

The CSS property to change the border of an element to Yxy 45.3041, 0.2857, 0.2463 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(200, 165, 237) }
```

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

```
.border{ border-color:rgb(200, 165, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 165, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 165, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 165, 237);  
box-shadow:4px 4px 4px 4px rgb(200, 165,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3041, 0.2857, 0.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 165, 237) }
```

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

```
.background{ background-color: rgb(200,  
165, 237) }
```

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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