

Converting Colors

$Y_{xy}(50.1042, 0.2511, 0.1758)$

Have a look what the booklet for
Yxy(50.1042, 0.2511, 0.1758)
contains.

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Color

Yxy(45.3644, 0.2909, 0.2210)

Conversions

Conversions Part 1

Format	Color
Hex	DF98FF
RGB	223, 152, 255
RGB Percent	87%, 60%, 100%
CMY	0.1254, 0.4039, 0.0001
CMYK	0.13, 0.40, 0.00, 0.00
HSL	281°, 100%, 80%
HSV	281°, 40%, 100%
XYZ	59.7127, 45.3644, 100.1917
YIQ	184.9710, 9.2530, 47.0850

Conversions

Conversions Part 2

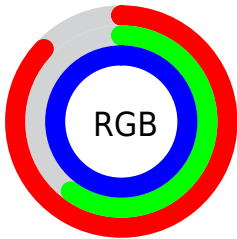
Format	Color
R _Y B	223, 152, 255
Decimal	14653695
CIE _{Lab}	73.13, 44.05, -40.86
CIE _{LCh}	73, 60.077, 317.152
Yxy	45.3644, 0.2909, 0.2210
Android (android.graphics.Color)	4292843775 (0xFFDF98FF)
YUV	184.9710, 34.5243, 33.3514
Hunter-Lab	67.3531, 40.3834, -41.0502

Details

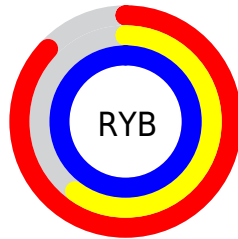
The Yxy color $45.3644, 0.2909, 0.2210$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $83.9507, 0.3257, 0.4470$, and the grayscale version is $48.3011, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.1056, 0.3149, 0.2821$, and $21.1079, 0.2829, 0.1966$ is the 20% darker color. If you saturate the color by 10%, you get $36.7335, 0.2834, 0.1941$, and if you desaturate by 10%, it is $55.8365, 0.2976, 0.2487$.

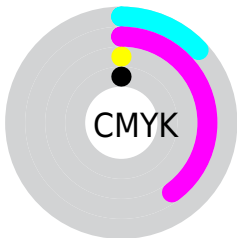
Distribution



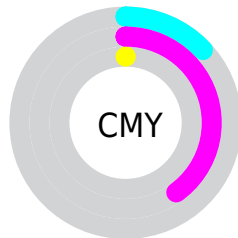
- Red (87%)
- Green (60%)
- Blue (100%)



- Red (87%)
- Yellow (60%)
- Blue (100%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3644, 0.2909, 0.2210 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 45.3644, 0.2909, 0.2210 by changing the saturation by 10% instead.


 45.3644, 0.2909,
0.2210


 45.3644, 0.2909,
0.2210

368.2474, 0.3031,
0.2700

 31.7445, 0.2876,
0.2102


 83.2670, 0.2956,
0.2377

 21.1665, 0.2833,
0.1971


 108.3185, 0.2972,
0.2443

 13.2457, 0.2775,
0.1810


137.9493, 0.2987,
0.2500

 7.5980, 0.2693,
0.1607

172.5439, 0.2998,
0.2550

 3.8388, 0.2572,
0.1349

212.4866, 0.3008,
0.2595

 1.5838, 0.2382,
0.1017

258.1618, 0.3017,

 0.3466, 0.2090,

0.2634

0.0471

309.9539, 0.3025,
0.2669

0.0000, 0.1250,
0.0000

0.0000, 0.0000,
0.0000

45.3644, 0.2909,
0.2210

45.3644, 0.2909,
0.2210

36.7335, 0.2834,
0.1941

55.8365, 0.2976,
0.2487

29.8223, 0.2754,
0.1694

68.2496, 0.3034,
0.2763

24.5032, 0.2669,
0.1479

82.7032, 0.3084,
0.3029

20.6282, 0.2584,
0.1307

99.2882, 0.3126,
0.3281

■ 18.0203, 0.2500,
0.1185

99.9981, 0.3127,
0.3290

■ 16.4354, 0.2424,
0.1109

Harmonies

Analogous

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



45.3644, 0.2216, 0.2037



45.3644, 0.2909, 0.2210



45.3644, 0.3776, 0.2595

Triad

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



45.3644, 0.2909, 0.2210



45.3644, 0.4557, 0.4327



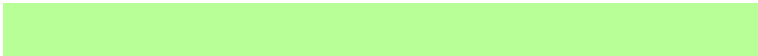
45.3644, 0.1890, 0.3231

Complementary

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



45.3644, 0.2909, 0.2210



83.9507, 0.3257, 0.4470

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.



45.3644, 0.2404, 0.4154



45.3644, 0.2909, 0.2210



45.3644, 0.3942, 0.4779

Square

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



45.3644, 0.2909, 0.2210



45.3644, 0.4798, 0.3728



45.3644, 0.3155, 0.4784



45.3644, 0.1697, 0.2502

Rectangle

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



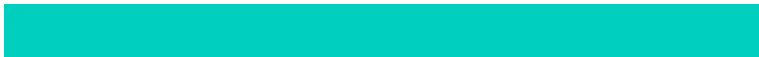
45.3644, 0.2909, 0.2210



45.3644, 0.4306, 0.2939



45.3644, 0.3155, 0.4784



45.3644, 0.2026, 0.3535

Sweetspot

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



45.3663, 0.2909, 0.2210



80.2508, 0.3077, 0.2987



48.4258, 0.2436, 0.2445



16.7568, 0.3070, 0.2953



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.



45.3663, 0.2909, 0.2210



38.6430, 0.2853, 0.2004



49.7711, 0.3333, 0.2454



18.0012, 0.3088, 0.3052



8.6727, 0.2437, 0.1116



0.9023, 0.2526, 0.1165

Inverse Universe

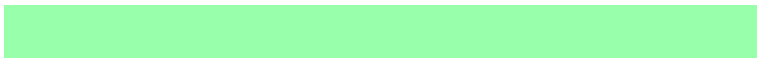
The Inverse Universe completely reimagines the original color for something new.



47.1675, 0.3832, 0.2958



40.8494, 0.4036, 0.2899



81.1121, 0.2976, 0.4307



18.0799, 0.3245, 0.3217



11.4279, 0.5732, 0.2931



1.1313, 0.5412, 0.2755

Previews

White Background



This preview shows how the Yxy color 45.3644, 0.2909, 0.2210 looks on a white background.

Color Contrast Check

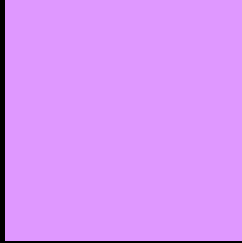
Large Text (above 18pt) WCAG AA × Fail

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 45.3644, 0.2909, 0.2210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

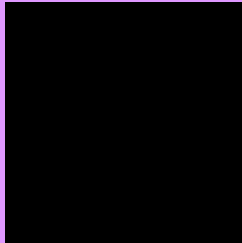
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3644, 0.2909, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 45.3644, 0.2909, 0.2210.



This preview shows how white text looks on a background with the Yxy color 45.3644, 0.2909, 0.2210.

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

45.3644, 0.2909, 0.2210

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.8108, 0.2474, 0.2417



Tritanopia

45.3385, 0.3421, 0.3133

Trichromacy



Original Color

45.3644, 0.2909, 0.2210



Protanomaly

44.8090, 0.2583, 0.2286



Deuteranomaly

45.1075, 0.2610, 0.2327

Tritanomaly

44.9937, 0.3224, 0.2757

Monochromacy



Original Color

45.3644, 0.2909, 0.2210



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.6824, 0.3054, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3644, 0.2909, 0.2210 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(223, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 152, 255)  
}
```

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(223, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 152, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.3644, 0.2909, 0.2210 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(223, 152, 255) }
```

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

```
.border{ border-color:rgb(223, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 152,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3644, 0.2909, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 152, 255) }
```

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

```
.background{ background-color: rgb(223,  
152, 255) }
```

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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