

Converting Colors

$Y_{xy}(45.6270, 0.2906, 0.2219)$

Have a look what the booklet for
Yxy(45.6270, 0.2906, 0.2219)
contains.

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Color

Yxy(45.6904, 0.2909, 0.2220)

Conversions

Conversions Part 1

Format	Color
Hex	DF99FF
RGB	223, 153, 255
RGB Percent	87%, 60%, 100%
CMY	0.1255, 0.4000, 0.0001
CMYK	0.13, 0.40, 0.00, 0.00
HSL	281°, 100%, 80%
HSV	281°, 40%, 100%
XYZ	59.8709, 45.6904, 100.2513
YIQ	185.5580, 8.9780, 46.5620

Conversions

Conversions Part 2

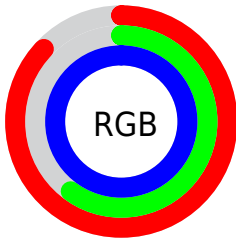
Format	Color
R _Y B	223, 153, 255
Decimal	14653951
CIE Lab	73.34, 43.51, -40.53
CIE LCh	73, 59.458, 317.030
Yxy	45.6904, 0.2909, 0.2220
Android (android.graphics.Color)	4292844031 (0xFFDF99FF)
YUV	185.5580, 34.2349, 32.8366
Hunter-Lab	67.5947, 39.8128, -40.6182

Details

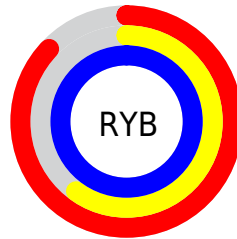
The Yxy color **45.6904, 0.2909, 0.2220** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.1168, 0.3258, 0.4456**, and the grayscale version is **48.6459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **21.2986, 0.2830, 0.1977** is the 20% darker color. If you saturate the color by 10%, you get **36.9782, 0.2834, 0.1950**, and if you desaturate by 10%, it is **56.2495, 0.2976, 0.2498**.

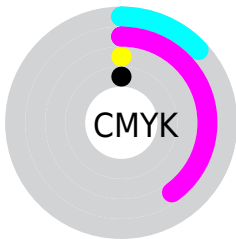
Distribution



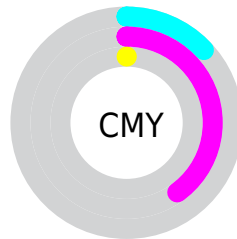
- Red (87%)
- Green (60%)
- Blue (100%)



- 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 45.6904, 0.2909, 0.2220 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 45.6904, 0.2909, 0.2220 by changing the saturation by 10% instead.

 45.6904, 0.2909,
0.2220

 45.6904, 0.2909,
0.2220


369.5626, 0.3031,
0.2706

 32.0016, 0.2876,
0.2113


 83.7555, 0.2955,
0.2386

 21.3627, 0.2834,
0.1983


 108.9005, 0.2972,
0.2451

 13.3894, 0.2776,
0.1823


138.6331, 0.2986,
0.2508

 7.6972, 0.2695,
0.1622

173.3375, 0.2998,
0.2557

 3.9018, 0.2575,
0.1365

213.3983, 0.3008,
0.2601

 1.6188, 0.2386,
0.1034

259.1998, 0.3017,

 0.3702, 0.2096,

0.2640

0.0499

311.1264, 0.3024,
0.2675

0.0000, 0.1276,
0.0000

0.0000, 0.0000,
0.0000

45.6904, 0.2909,
0.2220

45.6904, 0.2909,
0.2220

36.9782, 0.2834,
0.1950

56.2495, 0.2976,
0.2498

29.9917, 0.2752,
0.1701

68.7551, 0.3035,
0.2774

24.6041, 0.2667,
0.1484

83.3062, 0.3085,
0.3040

20.6681, 0.2580,
0.1310

99.9936, 0.3127,
0.3290

■ 18.0082, 0.2496,
0.1185

99.9985, 0.3127,
0.3290

■ 16.3381, 0.2416,
0.1104

■ 16.3369, 0.2416,
0.1104

Harmonies

Analogous

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



45.6904, 0.2224, 0.2049



45.6904, 0.2909, 0.2220



45.6904, 0.3765, 0.2601

Triad

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



45.6904, 0.2909, 0.2220



45.6904, 0.4543, 0.4316



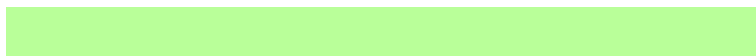
45.6904, 0.1905, 0.3236

Complementary

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



45.6904, 0.2909, 0.2220



84.1168, 0.3258, 0.4456

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.



45.6904, 0.2416, 0.4145



45.6904, 0.2909, 0.2220



45.6904, 0.3938, 0.4760

Square

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



45.6904, 0.2909, 0.2220



45.6904, 0.4778, 0.3724



45.6904, 0.3160, 0.4764



45.6904, 0.1712, 0.2514

Rectangle

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



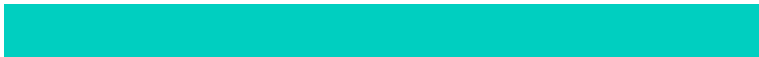
45.6904, 0.2909, 0.2220



45.6904, 0.4288, 0.2942



45.6904, 0.3160, 0.4764



45.6904, 0.2041, 0.3537

Sweetspot

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



45.6923, 0.2909, 0.2220



80.2323, 0.3076, 0.2987



48.8138, 0.2444, 0.2455



16.7524, 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.



45.6923, 0.2909, 0.2220



38.5802, 0.2849, 0.2003



50.1128, 0.3330, 0.2461



17.9980, 0.3087, 0.3052



8.6211, 0.2429, 0.1111



0.8976, 0.2519, 0.1161

Inverse Universe

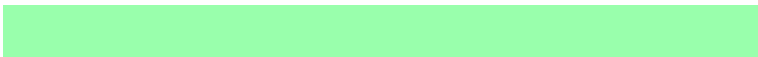
The Inverse Universe completely reimagines the original color for something new.



47.5420, 0.3818, 0.2958



40.8650, 0.4032, 0.2894



81.2454, 0.2977, 0.4295



18.0809, 0.3245, 0.3216



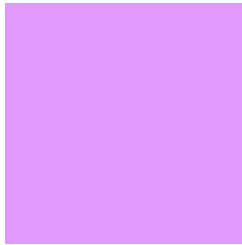
11.4346, 0.5720, 0.2925



1.1321, 0.5400, 0.2749

Previews

White Background



This preview shows how the Yxy color 45.6904, 0.2909, 0.2220 looks on a white background.

Color Contrast Check

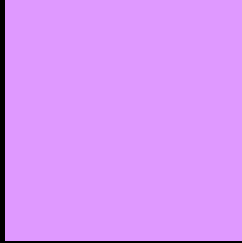
Large Text (above 18pt) WCAG AA × Fail

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 45.6904, 0.2909, 0.2220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

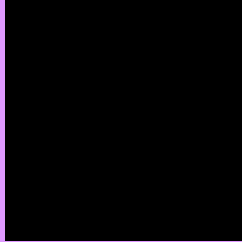
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6904, 0.2909, 0.2220

Background



This preview shows how black text looks on a background with the Yxy color 45.6904, 0.2909, 0.2220.



This preview shows how white text looks on a background with the Yxy color 45.6904, 0.2909, 0.2220.

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

45.6904, 0.2909, 0.2220

Protanopia

46.0294, 0.2441, 0.2366

Deuteranopia

45.9110, 0.2480, 0.2419



Tritanopia

45.7504, 0.3410, 0.3134

Trichromacy



Original Color

45.6904, 0.2909, 0.2220



Protanomaly

45.2992, 0.2592, 0.2299



Deuteranomaly

45.2280, 0.2617, 0.2329

Tritanomaly

45.3968, 0.3215, 0.2758

Monochromacy



Original Color

45.6904, 0.2909, 0.2220



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.1174, 0.3046, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6904, 0.2909, 0.2220 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 153, 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, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.6904, 0.2909, 0.2220 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, 153, 255) }
```

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

```
.border{ border-color:rgb(223, 153, 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, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6904, 0.2909, 0.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 153, 255) }
```

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

```
.background{ background-color: rgb(223,  
153, 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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