

Converting Colors

$Y_{xy}(45.2769, 0.2916, 0.2205)$

Have a look what the booklet for
Yxy(45.2769, 0.2916, 0.2205)
contains.

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Color

Yxy(45.2005, 0.2917, 0.2202)

Conversions

Conversions Part 1

Format	Color
Hex	E097FF
RGB	224, 151, 255
RGB Percent	88%, 59%, 100%
CMY	0.1213, 0.4080, 0.0000
CMYK	0.12, 0.41, 0.00, 0.00
HSL	282°, 100%, 80%
HSV	282°, 41%, 100%
XYZ	59.8773, 45.2005, 100.1924
YIQ	184.6830, 10.1240, 47.8200

Conversions

Conversions Part 2

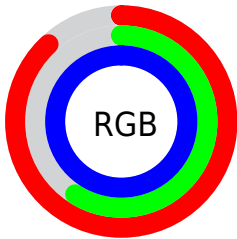
Format	Color
R_{YB}	224, 151, 255
Decimal	14718975
CIE _{Lab}	73.02, 44.90, -41.04
CIE _{LCh}	73, 60.833, 317.572
Yxy	45.2005, 0.2917, 0.2202
Android (android.graphics.Color)	4292909055 (0xFFE097FF)
YUV	184.6830, 34.6663, 34.4810
Hunter-Lab	67.2313, 41.3202, -41.2958

Details

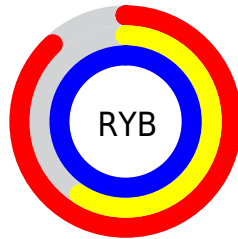
The Yxy color **45.2005, 0.2917, 0.2202** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.6839, 0.3249, 0.4487**, and the grayscale version is **48.1307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **21.0281, 0.2840, 0.1958** is the 20% darker color. If you saturate the color by 10%, you get **36.6799, 0.2846, 0.1936**, and if you desaturate by 10%, it is **55.5510, 0.2981, 0.2478**.

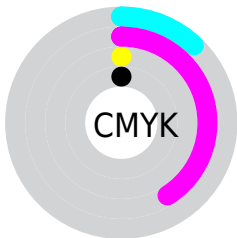
Distribution



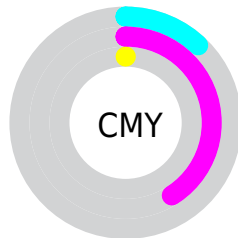
- Red (88%)
- Green (59%)
- Blue (100%)



- Red (88%)
- Yellow (59%)
- Blue (100%)



- Cyan (12%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2005, 0.2917, 0.2202 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 45.2005, 0.2917, 0.2202 by changing the saturation by 10% instead.

 45.2005, 0.2917,
0.2202

 45.2005, 0.2917,
0.2202


367.5850, 0.3036,
0.2696

 31.6154, 0.2885,
0.2093


 83.0212, 0.2962,
0.2370

 21.0679, 0.2843,
0.1962


 108.0256, 0.2979,
0.2437

 13.1736, 0.2785,
0.1800


137.6052, 0.2993,
0.2494

 7.5482, 0.2705,
0.1596

172.1443, 0.3004,
0.2545

 3.8073, 0.2585,
0.1337

212.0275, 0.3014,
0.2589

 1.5663, 0.2397,
0.1005

257.6391, 0.3022,

 0.3347, 0.2109,

0.2629

0.0454

309.3634, 0.3030,
0.2664

0.0000, 0.1279,
0.0000

0.0000, 0.0000,
0.0000

45.2005, 0.2917,
0.2202

45.2005, 0.2917,
0.2202

36.6799, 0.2846,
0.1936

55.5510, 0.2981,
0.2478

29.8711, 0.2768,
0.1692

67.8354, 0.3037,
0.2753

24.6447, 0.2687,
0.1481

82.1521, 0.3084,
0.3019

20.8517, 0.2606,
0.1314

98.5921, 0.3124,
0.3271

■ 18.3138, 0.2526,
0.1196

100.0000, 0.3127,
0.3290

■ 16.8291, 0.2455,
0.1126

Harmonies

Analogous

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



45.2005, 0.2213, 0.2024



45.2005, 0.2917, 0.2202



45.2005, 0.3796, 0.2594

Triad

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



45.2005, 0.2917, 0.2202



45.2005, 0.4566, 0.4344



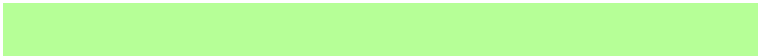
45.2005, 0.1870, 0.3216

Complementary

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



45.2005, 0.2917, 0.2202



83.6839, 0.3249, 0.4487

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.



45.2005, 0.2384, 0.4154



45.2005, 0.2917, 0.2202



45.2005, 0.3939, 0.4802

Square

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



45.2005, 0.2917, 0.2202



45.2005, 0.4820, 0.3739



45.2005, 0.3142, 0.4802



45.2005, 0.1681, 0.2483

Rectangle

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



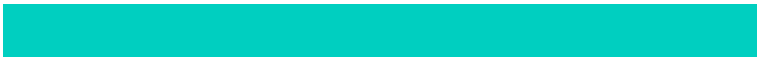
45.2005, 0.2917, 0.2202



45.2005, 0.4332, 0.2941



45.2005, 0.3142, 0.4802



45.2005, 0.2006, 0.3524

Sweetspot

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



45.2011, 0.2917, 0.2202



80.3223, 0.3079, 0.2988



47.3228, 0.2425, 0.2413



16.7737, 0.3073, 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.



45.2011, 0.2917, 0.2202



38.0831, 0.2859, 0.1983



49.3327, 0.3351, 0.2461



18.0135, 0.3090, 0.3052



8.8747, 0.2468, 0.1133



0.9208, 0.2554, 0.1181

Inverse Universe

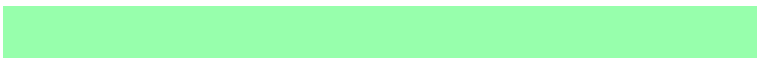
The Inverse Universe completely reimagines the original color for something new.



46.7536, 0.3856, 0.2968



40.0355, 0.4084, 0.2908



81.0654, 0.2966, 0.4298



18.0759, 0.3247, 0.3220



11.4026, 0.5779, 0.2957



1.1285, 0.5458, 0.2781

Previews

White Background



This preview shows how the Yxy color 45.2005, 0.2917, 0.2202 looks on a white background.

Color Contrast Check

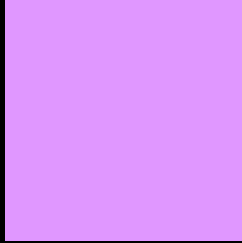
Large Text (above 18pt) WCAG AA × Fail

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 45.2005, 0.2917, 0.2202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

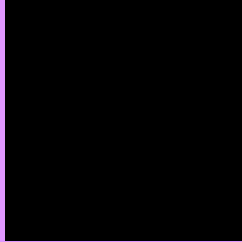
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2005, 0.2917, 0.2202

Background



This preview shows how black text looks on a background with the Yxy color 45.2005, 0.2917, 0.2202.



This preview shows how white text looks on a background with the Yxy color 45.2005, 0.2917, 0.2202.

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

45.2005, 0.2917, 0.2202

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.4143, 0.2472, 0.2405



Tritanopia

45.0789, 0.3441, 0.3134

Trichromacy



Original Color

45.2005, 0.2917, 0.2202



Protanomaly

44.8090, 0.2583, 0.2286



Deuteranomaly

44.8573, 0.2616, 0.2317

Tritanomaly

44.7464, 0.3243, 0.2758

Monochromacy



Original Color

45.2005, 0.2917, 0.2202



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 45.2005, 0.2917, 0.2202 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(224, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 151, 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(224, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.2005, 0.2917, 0.2202 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(224, 151, 255) }
```

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

```
.border{ border-color:rgb(224, 151, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 151, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2005, 0.2917, 0.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 151, 255) }
```

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

```
.background{ background-color: rgb(224,  
151, 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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