

Converting Colors

$Y_{xy}(45.3704, 0.2934, 0.2358)$

Have a look what the booklet for
Yxy(45.3704, 0.2934, 0.2358)
contains.

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Color

Yxy(45.3719, 0.2933, 0.2358)

Conversions

Conversions Part 1

Format	Color
Hex	D79EF3
RGB	215, 158, 243
RGB Percent	84%, 62%, 95%
CMY	0.1568, 0.3804, 0.0469
CMYK	0.12, 0.35, 0.00, 0.05
HSL	280°, 78%, 79%
HSV	280°, 35%, 95%
XYZ	56.4359, 45.3719, 90.6091
YIQ	184.7330, 6.6870, 38.5190

Conversions

Conversions Part 2

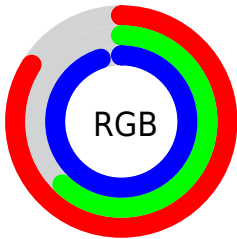
Format	Color
RYB	215, 158, 243
Decimal	14130931
CIELab	73.14, 36.04, -34.44
CIElCh	73, 49.850, 316.306
Yxy	45.3719, 0.2933, 0.2358
Android (android.graphics.Color)	4292321011 (0xFFD79EF3)
YUV	184.7330, 28.7256, 26.5442
Hunter-Lab	67.3587, 31.6770, -32.6043

Details

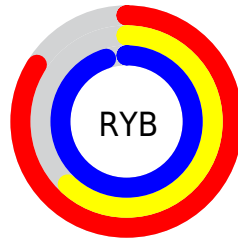
The Yxy color $45.3719, 0.2933, 0.2358$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $77.0362, 0.3256, 0.4288$, and the grayscale version is $48.1962, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $21.2669, 0.2862, 0.2141$ is the 20% darker color. If you saturate the color by 10%, you get $36.7036, 0.2858, 0.2081$, and if you desaturate by 10%, it is $55.7428, 0.3000, 0.2637$.

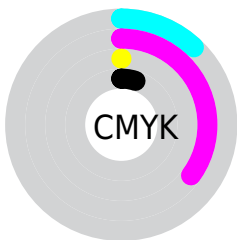
Distribution



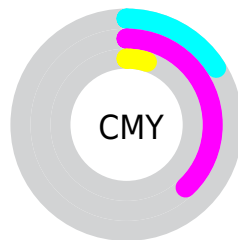
- Red (84%)
- Green (62%)
- Blue (95%)



- Red (84%)
- Yellow (62%)
- Blue (95%)



- Cyan (12%)
- Magenta (35%)
- Yellow (0%)
- Black (5%)





- Cyan (16%)
- Magenta (38%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3719, 0.2933, 0.2358 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 45.3719, 0.2933, 0.2358 by changing the saturation by 10% instead.


 45.3719, 0.2933,
0.2358


 45.3719, 0.2933,
0.2358


368.2777, 0.3040,
0.2789

 31.7505, 0.2904,
0.2261


 83.2782, 0.2974,
0.2507

 21.1710, 0.2867,
0.2141


 108.3319, 0.2988,
0.2565

 13.2490, 0.2815,
0.1992


137.9650, 0.3001,
0.2615

 7.6003, 0.2743,
0.1801

172.5621, 0.3011,
0.2659

 3.8402, 0.2634,
0.1550

212.5076, 0.3020,
0.2698

 1.5846, 0.2459,
0.1214

258.1857, 0.3028,

 0.3472, 0.2188,

0.2732

0.0600

309.9809, 0.3034,
0.2762

■ 0.0000, 0.0839,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3719, 0.2933,
0.2358

■ 45.3719, 0.2933,
0.2358

■ 36.7036, 0.2858,
0.2081

■ 55.7428, 0.3000,
0.2637

■ 29.6342, 0.2775,
0.1818

■ 67.9005, 0.3057,
0.2909

■ 24.0573, 0.2687,
0.1580

■ 81.9305, 0.3106,
0.3167

■ 19.8511, 0.2596,
0.1379

■ 97.7771, 0.3147,
0.3406

■ 16.8737, 0.2507,
0.1226

■ 99.2536, 0.3197,
0.3405

■ 14.9509, 0.2421,
0.1122

■ 14.2540, 0.2379,
0.1084

Harmonies

Analogous

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



45.3719, 0.2345, 0.2216



45.3719, 0.2933, 0.2358



45.3719, 0.3652, 0.2691

Triad

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



45.3719, 0.2933, 0.2358



45.3719, 0.4354, 0.4183



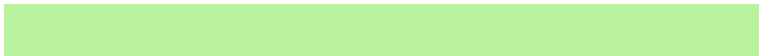
45.3719, 0.2090, 0.3277

Complementary

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



45.3719, 0.2933, 0.2358



77.0362, 0.3256, 0.4288

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.



45.3719, 0.2547, 0.4014



45.3719, 0.2933, 0.2358



45.3719, 0.3855, 0.4533

Square

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



45.3719, 0.2933, 0.2358



45.3719, 0.4524, 0.3679



45.3719, 0.3192, 0.4513



45.3719, 0.1904, 0.2655

Rectangle

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



45.3719, 0.2933, 0.2358



45.3719, 0.4090, 0.2990



45.3719, 0.3192, 0.4513



45.3719, 0.2214, 0.3524

Sweetspot

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



45.3738, 0.2933, 0.2358



83.2365, 0.3082, 0.3039



49.0043, 0.2539, 0.2597



17.3490, 0.3075, 0.3003



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.



45.3738, 0.2933, 0.2358



43.5378, 0.2880, 0.2160



49.1631, 0.3287, 0.2552



16.4787, 0.3085, 0.3053



7.8965, 0.2392, 0.1091



0.7498, 0.2496, 0.1149

Inverse Universe

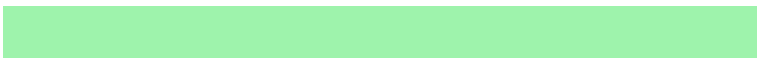
The Inverse Universe completely reimagines the original color for something new.



47.0595, 0.3684, 0.2986



45.8356, 0.3851, 0.2923



74.3793, 0.3002, 0.4163



16.5726, 0.3242, 0.3212



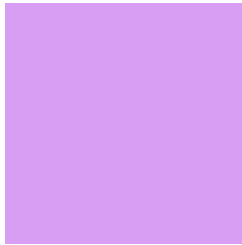
10.7986, 0.5656, 0.2890



0.9673, 0.5305, 0.2696

Previews

White Background



This preview shows how the Yxy color 45.3719, 0.2933, 0.2358 looks on a white background.

Color Contrast Check

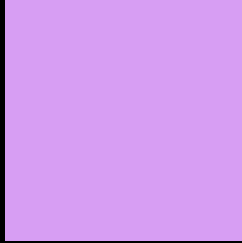
Large Text (above 18pt) WCAG AA × Fail

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 45.3719, 0.2933, 0.2358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

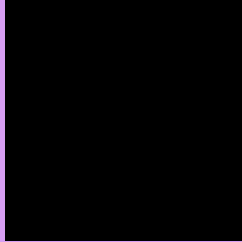
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3719, 0.2933, 0.2358

Background



This preview shows how black text looks on a background with the Yxy color 45.3719, 0.2933, 0.2358.



This preview shows how white text looks on a background with the Yxy color 45.3719, 0.2933, 0.2358.

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

45.3719, 0.2933, 0.2358

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.5688, 0.2587, 0.2529



Tritanopia

45.2902, 0.3344, 0.3131

Trichromacy



Original Color

45.3719, 0.2933, 0.2358



Protanomaly

45.0616, 0.2596, 0.2343



Deuteranomaly

45.1080, 0.2708, 0.2461



Tritanomaly

45.2355, 0.3185, 0.2827

Monochromacy



Original Color

45.3719, 0.2933, 0.2358



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.8519, 0.3059, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3719, 0.2933, 0.2358 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(215, 158, 243)` looks like.

```
.text, #text, p{  
    color:rgb(215, 158, 243)  
}
```

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(215, 158, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 158, 243) }
```

Border

The CSS property to change the border of an element to Yxy 45.3719, 0.2933, 0.2358 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(215, 158, 243) }
```

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

```
.border{ border-color:rgb(215, 158, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 158, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 158, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 158, 243);  
box-shadow:4px 4px 4px 4px rgb(215, 158,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3719, 0.2933, 0.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 158, 243) }
```

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

```
.background{ background-color: rgb(215,  
158, 243) }
```

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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