

Converting Colors

$Y_{xy}(47.9029, 0.2944, 0.2289)$

Have a look what the booklet for
Yxy(47.9029, 0.2944, 0.2289)
contains.

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Color

Yxy(47.7782, 0.2942, 0.2286)

Conversions

Conversions Part 1

Format	Color
Hex	E29EFE
RGB	226, 158, 254
RGB Percent	89%, 62%, 100%
CMY	0.1135, 0.3804, 0.0040
CMYK	0.11, 0.38, 0.00, 0.00
HSL	283°, 98%, 81%
HSV	283°, 38%, 100%
XYZ	61.4888, 47.7782, 99.7365
YIQ	189.2760, 9.7120, 44.2720

Conversions

Conversions Part 2

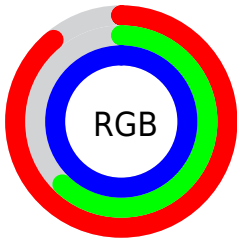
Format	Color
R _Y B	226, 158, 254
Decimal	14851838
CIE Lab	74.68, 41.55, -37.88
CIE LCh	75, 56.230, 317.647
Yxy	47.7782, 0.2942, 0.2286
Android (android.graphics.Color)	4293041918 (0xFFE29EFE)
YUV	189.2760, 31.9089, 32.2069
Hunter-Lab	69.1218, 37.8256, -37.1649

Details

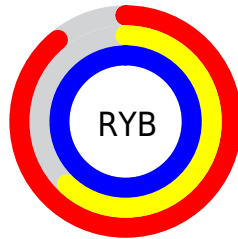
The Yxy color **47.7782, 0.2942, 0.2286** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.7743, 0.3240, 0.4389**, and the grayscale version is **50.8667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **22.5694, 0.2874, 0.2060** is the 20% darker color. If you saturate the color by 10%, you get **38.8237, 0.2874, 0.2017**, and if you desaturate by 10%, it is **58.5786, 0.3002, 0.2562**.

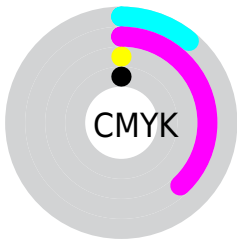
Distribution



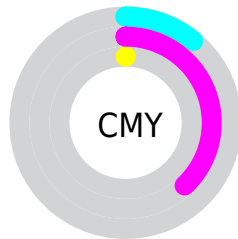
- Red (89%)
- Green (62%)
- Blue (100%)



- Red (89%)
- Yellow (62%)
- Blue (100%)



- Cyan (11%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7782, 0.2942, 0.2286 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 47.7782, 0.2942, 0.2286 by changing the saturation by 10% instead.


 47.7782, 0.2942,
0.2286


 47.7782, 0.2942,
0.2286


377.9123, 0.3046,
0.2742

 33.6513, 0.2914,
0.2185


 86.8741, 0.2981,
0.2442

 22.6258, 0.2878,
0.2063

 112.6118, 0.2996,
0.2503

 14.3175, 0.2828,
0.1912


142.9886, 0.3008,
0.2556

 8.3418, 0.2758,
0.1721

178.3889, 0.3018,
0.2603

 4.3144, 0.2655,
0.1476

219.1970, 0.3026,
0.2644

 1.8510, 0.2491,
0.1155

265.7973, 0.3034,

 0.5186, 0.2225,

0.2680

0.0680

318.5743, 0.3040,
0.2713

0.0000, 0.1578,
0.0000

0.0000, 0.0000,
0.0000

47.7782, 0.2942,
0.2286

47.7782, 0.2942,
0.2286

38.8237, 0.2874,
0.2017

58.5786, 0.3002,
0.2562

31.5972, 0.2800,
0.1766

71.3210, 0.3054,
0.2834

25.9767, 0.2722,
0.1545

86.1020, 0.3098,
0.3096

21.8211, 0.2642,
0.1366

99.9350, 0.3133,
0.3300

■ 18.9641, 0.2563,
0.1234

■ 17.1839, 0.2487,
0.1150

■ 16.8658, 0.2470,
0.1134

Harmonies

Analogous

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



47.7782, 0.2291, 0.2120



47.7782, 0.2942, 0.2286



47.7782, 0.3740, 0.2652

Triad

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



47.7782, 0.2942, 0.2286



47.7782, 0.4452, 0.4277



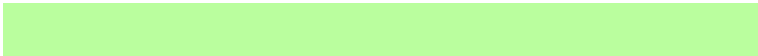
47.7782, 0.1973, 0.3230

Complementary

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



47.7782, 0.2942, 0.2286



83.7743, 0.3240, 0.4389

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.



47.7782, 0.2453, 0.4065



47.7782, 0.2942, 0.2286



47.7782, 0.3884, 0.4671

Square

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



47.7782, 0.2942, 0.2286



47.7782, 0.4671, 0.3724



47.7782, 0.3152, 0.4647



47.7782, 0.1791, 0.2559

Rectangle

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



47.7782, 0.2942, 0.2286



47.7782, 0.4222, 0.2978



47.7782, 0.3152, 0.4647



47.7782, 0.2101, 0.3506

Sweetspot

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



47.7802, 0.2942, 0.2286



81.8751, 0.3085, 0.3014



49.8729, 0.2481, 0.2489



17.0850, 0.3079, 0.2978



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.



47.7802, 0.2942, 0.2286



41.5160, 0.2894, 0.2091



51.5035, 0.3330, 0.2520



18.0193, 0.3091, 0.3052



8.9722, 0.2482, 0.1141



0.9296, 0.2567, 0.1188

Inverse Universe

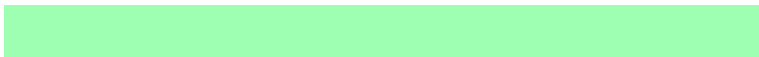
The Inverse Universe completely reimagines the original color for something new.



49.0597, 0.3786, 0.2998



43.1316, 0.3977, 0.2944



81.3255, 0.2976, 0.4210



18.0740, 0.3248, 0.3221



11.3911, 0.5800, 0.2969



1.1271, 0.5480, 0.2792

Previews

White Background



This preview shows how the Yxy color 47.7782, 0.2942, 0.2286 looks on a white background.

Color Contrast Check

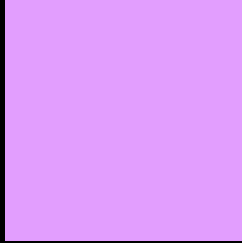
Large Text (above 18pt) WCAG AA × Fail

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 47.7782, 0.2942, 0.2286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

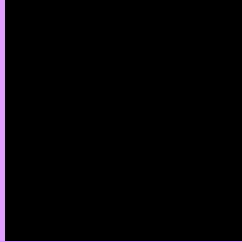
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7782, 0.2942, 0.2286

Background



This preview shows how black text looks on a background with the Yxy color 47.7782, 0.2942, 0.2286.



This preview shows how white text looks on a background with the Yxy color 47.7782, 0.2942, 0.2286.

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

47.7782, 0.2942, 0.2286

Protanopia

48.2530, 0.2486, 0.2424

Deuteranopia

47.8866, 0.2542, 0.2477



Tritanopia

47.6491, 0.3406, 0.3125

Trichromacy



Original Color

47.7782, 0.2942, 0.2286



Protanomaly

47.4214, 0.2632, 0.2355



Deuteranomaly

47.4170, 0.2671, 0.2396

Tritanomaly

47.5562, 0.3230, 0.2788

Monochromacy



Original Color

47.7782, 0.2942, 0.2286



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.2014, 0.3055, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7782, 0.2942, 0.2286 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(226, 158, 254)` looks like.

```
.text, #text, p{  
    color:rgb(226, 158, 254)  
}
```

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(226, 158, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 158, 254) }
```

Border

The CSS property to change the border of an element to Yxy 47.7782, 0.2942, 0.2286 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(226, 158, 254) }
```

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

```
.border{ border-color:rgb(226, 158, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 158, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 158, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 158, 254);  
box-shadow:4px 4px 4px 4px rgb(226, 158,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7782, 0.2942, 0.2286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 158, 254) }
```

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

```
.background{ background-color: rgb(226,  
158, 254) }
```

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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