

Converting Colors

$Y_{xy}(34.5490, 0.2797, 0.1955)$

Have a look what the booklet for
Yxy(34.5490, 0.2797, 0.1955)
contains.

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Color

Yxy(34.6782, 0.2799, 0.1958)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | CD7EF8 |
| RGB | 205, 126, 248 |
| RGB Percent | 80%, 49%, 97% |
| CMY | 0.1961, 0.5058, 0.0276 |
| CMYK | 0.17, 0.49, 0.00, 0.03 |
| HSL | 279°, 90%, 73% |
| HSV | 279°, 49%, 97% |
| XYZ | 49.5732, 34.6782, 92.8589 |
| YIQ | 163.5290, 7.9220, 54.6900 |

Conversions

Conversions Part 2

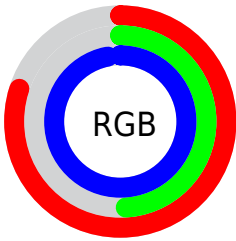
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 205, 126, 248 |
| Decimal | 13467384 |
| CIE Lab | 65.50, 51.19, -49.15 |
| CIE LCh | 65, 70.969, 316.166 |
| Yxy | 34.6782, 0.2799, 0.1958 |
| Android (android.graphics.Color) | 4291657464 (0xFFCD7EF8) |
| YUV | 163.5290, 41.6442, 36.3701 |
| Hunter-Lab | 58.8882, 47.2103, -52.2708 |

Details

The Yxy color **34.6782, 0.2799, 0.1958** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **77.0556, 0.3303, 0.4741**, and the grayscale version is **36.6873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **14.8226, 0.2675, 0.1652** is the 20% darker color. If you saturate the color by 10%, you get **27.8952, 0.2707, 0.1699**, and if you desaturate by 10%, it is **43.1049, 0.2884, 0.2235**.

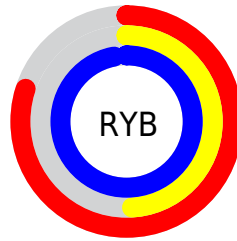
Distribution



Red (80%)

Green (49%)

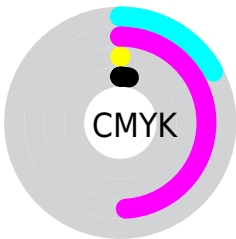
Blue (97%)



Red (80%)

Yellow (49%)

Blue (97%)

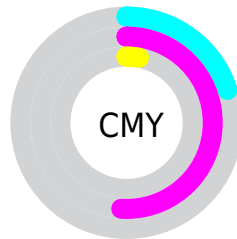


Cyan (17%)

Magenta (49%)

Yellow (0%)

Black (3%)



Cyan (20%)


Magenta (51%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6782, 0.2799, 0.1958 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 34.6782, 0.2799, 0.1958 by changing the saturation by 10% instead.

 34.6782, 0.2799,
0.1958


 34.6782, 0.2799,
0.1958


323.1456, 0.2988,
0.2571

 23.4151, 0.2747,
0.1823


 66.9869, 0.2872,
0.2168

 14.9003, 0.2678,
0.1659


 88.8014, 0.2898,
0.2250

 8.7495, 0.2584,
0.1459


 114.9017, 0.2920,
0.2322

 4.5781, 0.2451,
0.1212

145.6723, 0.2938,
0.2385

 2.0019, 0.2254,
0.0908

181.4976, 0.2953,
0.2440

 0.6086, 0.1952,
0.0525

222.7620, 0.2966,


 0.0000, 0.1480,

0.2489


0.0000


269.8499, 0.2978,
0.2532


 0.0000, 0.0000,
0.0000


 34.6782, 0.2799,
0.1958

 34.6782, 0.2799,
0.1958

 27.8952, 0.2707,
0.1699


 43.1049, 0.2884,
0.2235


 22.6321, 0.2611,
0.1471


 53.2782, 0.2960,
0.2517


 18.7544, 0.2514,
0.1285

 65.2977, 0.3026,
0.2795

 16.1006, 0.2420,
0.1149

 79.2537, 0.3083,
0.3060

 14.4264, 0.2331,
0.1060

 95.2310, 0.3131,
0.3310

■ 14.3075, 0.2324,
0.1054

■ 99.5552, 0.3168,
0.3357

Harmonies

Analogous

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



34.6782, 0.1970, 0.1759



34.6782, 0.2799, 0.1958



34.6782, 0.3911, 0.2404

Triad

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



34.6782, 0.2799, 0.1958



34.6782, 0.4890, 0.4466



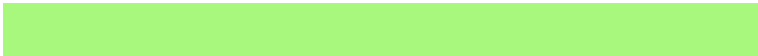
34.6782, 0.1598, 0.3212

Complementary

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



34.6782, 0.2799, 0.1958



77.0556, 0.3303, 0.4741

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.



34.6782, 0.2210, 0.4477



34.6782, 0.2799, 0.1958



34.6782, 0.4102, 0.5135

Square

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



34.6782, 0.2799, 0.1958



34.6782, 0.5239, 0.3721



34.6782, 0.3132, 0.5286



34.6782, 0.1384, 0.2288

Rectangle

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



34.6782, 0.2799, 0.1958



34.6782, 0.4614, 0.2803



34.6782, 0.3132, 0.5286



34.6782, 0.1757, 0.3622

Sweetspot

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



34.6796, 0.2799, 0.1958



75.5091, 0.3051, 0.2907



40.2381, 0.2293, 0.2303



15.5082, 0.3039, 0.2850



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.



34.6796, 0.2799, 0.1958



29.7845, 0.2708, 0.1702



40.6870, 0.3332, 0.2234



17.2006, 0.3081, 0.3052



7.8127, 0.2338, 0.1062



0.7828, 0.2442, 0.1119

Inverse Universe

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



37.7421, 0.4007, 0.2836



33.7258, 0.4293, 0.2764



73.5122, 0.2979, 0.4653



17.3263, 0.3238, 0.3207



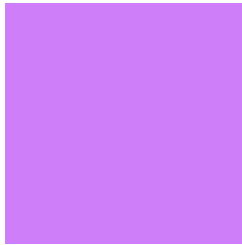
11.1799, 0.5571, 0.2843



1.0547, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 34.6782, 0.2799, 0.1958 looks on a white background.

Color Contrast Check

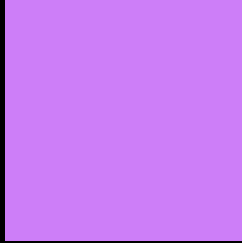
Large Text (above 18pt) WCAG AA × Fail

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 34.6782, 0.2799, 0.1958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

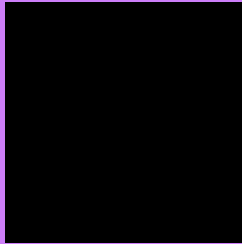
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6782, 0.2799, 0.1958

Background



This preview shows how black text looks on a background with the Yxy color 34.6782, 0.2799, 0.1958.



This preview shows how white text looks on a background with the Yxy color 34.6782, 0.2799, 0.1958.

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

34.6782, 0.2799, 0.1958

Protanopia

34.9900, 0.2190, 0.2034

Deuteranopia

35.2001, 0.2257, 0.2196



Tritanopia

34.4470, 0.3469, 0.3130

Trichromacy



Original Color

34.6782, 0.2799, 0.1958



Protanomaly

33.8584, 0.2369, 0.1982



Deuteranomaly

33.9784, 0.2416, 0.2077



Tritanomaly

33.9626, 0.3209, 0.2632

Monochromacy



Original Color

34.6782, 0.2799, 0.1958



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.3365, 0.3002, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6782, 0.2799, 0.1958 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(205, 126, 248)` looks like.

```
.text, #text, p{  
    color:rgb(205, 126, 248)  
}
```

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(205, 126, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 126, 248) }
```

Border

The CSS property to change the border of an element to Yxy 34.6782, 0.2799, 0.1958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

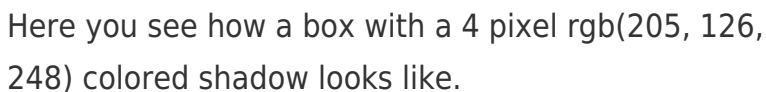
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 126, 248) }
```

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

```
.border{ border-color:rgb(205, 126, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 126, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 126, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 126, 248); box-shadow:4px 4px 4px 4px rgb(205, 126, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6782, 0.2799, 0.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 126, 248) }
```

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

```
.background{ background-color: rgb(205,  
126, 248) }
```

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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