

Converting Colors

$Y_{xy}(34.8132, 0.2915, 0.1929)$

Have a look what the booklet for
Yxy(34.8132, 0.2915, 0.1929)
contains.

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Color

Yxy(34.7942, 0.2921, 0.1931)

Conversions

Conversions Part 1

Format	Color
Hex	DB76F8
RGB	219, 118, 248
RGB Percent	86%, 46%, 97%
CMY	0.1412, 0.5372, 0.0274
CMYK	0.12, 0.52, 0.00, 0.03
HSL	287°, 90%, 72%
HSV	287°, 52%, 97%
XYZ	52.6328, 34.7942, 92.7605
YIQ	163.0190, 18.4660, 61.8420

Conversions

Conversions Part 2

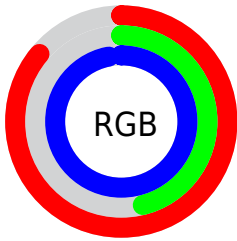
Format	Color
R _Y B	219, 118, 248
Decimal	14382840
CIE Lab	65.59, 58.92, -48.93
CIE LCh	66, 76.585, 320.292
Yxy	34.7942, 0.2921, 0.1931
Android (android.graphics.Color)	4292572920 (0xFFDB76F8)
YUV	163.0190, 41.8956, 49.0953
Hunter-Lab	58.9866, 56.0460, -51.9470

Details

The Yxy color **34.7942, 0.2921, 0.1931** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **74.6595, 0.3205, 0.4895**, and the grayscale version is **36.4291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **14.8937, 0.2826, 0.1626** is the 20% darker color. If you saturate the color by 10%, you get **28.8569, 0.2864, 0.1706**, and if you desaturate by 10%, it is **42.2983, 0.2973, 0.2182**.

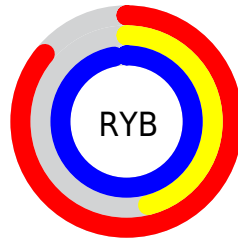
Distribution



Red (86%)

Green (46%)

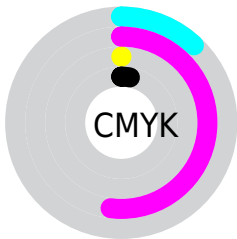
Blue (97%)



Red (86%)

Yellow (46%)

Blue (97%)

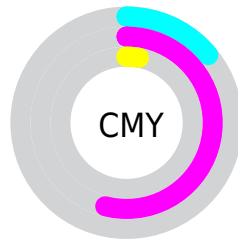


Cyan (12%)

Magenta (52%)

Yellow (0%)

Black (3%)



Cyan (14%)

Magenta (54%)


Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7942, 0.2921, 0.1931 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 34.7942, 0.2921, 0.1931 by changing the saturation by 10% instead.

 34.7942, 0.2921,
0.1931


 34.7942, 0.2921,
0.1931


323.6590, 0.3052,
0.2551


 23.5044, 0.2882,
0.1795


 67.1668, 0.2974,
0.2142

 14.9664, 0.2830,
0.1632


 89.0184, 0.2992,
0.2226

 8.7958, 0.2757,
0.1433


 115.1594, 0.3007,
0.2298

 4.6082, 0.2650,
0.1188

145.9742, 0.3019,
0.2361

 2.0193, 0.2486,
0.0889

181.8472, 0.3029,
0.2417

 0.6186, 0.2226,
0.0516

223.1627, 0.3038,

 0.0000, 0.1805,

0.2467

0.0000

270.3052, 0.3046,
0.2511

0.0000, 0.0000,
0.0000

34.7942, 0.2921,
0.1931

34.7942, 0.2921,
0.1931

28.8569, 0.2864,
0.1706

42.2983, 0.2973,
0.2182

24.3586, 0.2805,
0.1517

51.4749, 0.3019,
0.2446

21.1585, 0.2744,
0.1373

62.4254, 0.3059,
0.2715

19.0848, 0.2684,
0.1275

75.2419, 0.3093,
0.2979

18.0671, 0.2639,
0.1228

90.0100, 0.3121,
0.3231

99.0338, 0.3150,
0.3357

99.5582, 0.3168,
0.3357

Harmonies

Analogous

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



34.7942, 0.1992, 0.1685



34.7942, 0.2921, 0.1931



34.7942, 0.4134, 0.2427

Triad

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



34.7942, 0.2921, 0.1931



34.7942, 0.4886, 0.4614



34.7942, 0.1448, 0.3023

Complementary

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



34.7942, 0.2921, 0.1931



74.6595, 0.3205, 0.4895

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.



34.7942, 0.2023, 0.4394



34.7942, 0.2921, 0.1931



34.7942, 0.3998, 0.5323

Square

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



34.7942, 0.2921, 0.1931



34.7942, 0.5365, 0.3819



34.7942, 0.2963, 0.5404



34.7942, 0.1286, 0.2120

Rectangle

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



34.7942, 0.2921, 0.1931



34.7942, 0.4858, 0.2855



34.7942, 0.2963, 0.5404



34.7942, 0.1590, 0.3449

Sweetspot

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



34.7957, 0.2921, 0.1931



74.9872, 0.3082, 0.2885



31.9194, 0.2190, 0.1994



15.4448, 0.3075, 0.2830



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.



34.7957, 0.2921, 0.1931



30.3672, 0.2860, 0.1692



37.7409, 0.3524, 0.2323



17.3176, 0.3102, 0.3054



9.8236, 0.2649, 0.1233



0.9562, 0.2719, 0.1271

Inverse Universe

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



35.0271, 0.4305, 0.2988



30.9456, 0.4704, 0.2952



73.2858, 0.2892, 0.4531



17.2887, 0.3259, 0.3237



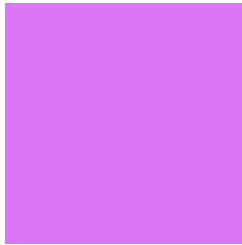
10.9487, 0.6014, 0.3086



1.0293, 0.5690, 0.2908

Previews

White Background



This preview shows how the Yxy color 34.7942, 0.2921, 0.1931 looks on a white background.

Color Contrast Check

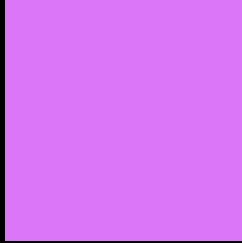
Large Text (above 18pt) WCAG AA × Fail

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 34.7942, 0.2921, 0.1931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

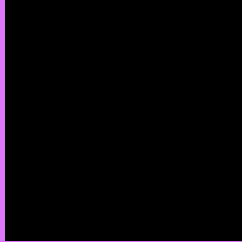
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7942, 0.2921, 0.1931

Background



This preview shows how black text looks on a background with the Yxy color 34.7942, 0.2921, 0.1931.

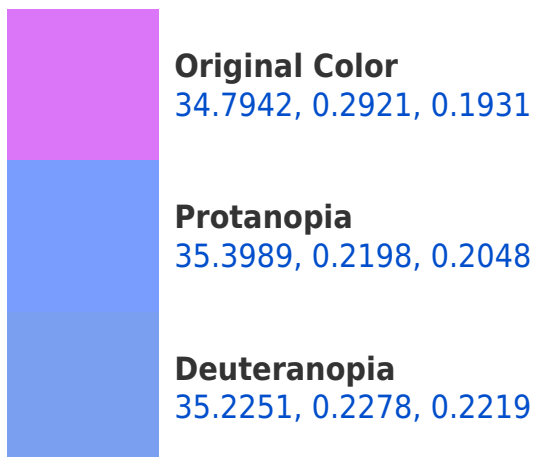


This preview shows how white text looks on a background with the Yxy color 34.7942, 0.2921, 0.1931.

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





Tritanopia

34.6250, 0.3694, 0.3150

Trichromacy



Original Color

34.7942, 0.2921, 0.1931



Protanomaly

33.8413, 0.2407, 0.1972



Deuteranomaly

33.5857, 0.2460, 0.2063



Tritanomaly

34.1075, 0.3388, 0.2624

Monochromacy



Original Color

34.7942, 0.2921, 0.1931



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.8298, 0.3049, 0.2675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7942, 0.2921, 0.1931 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(219, 118, 248)` looks like.

```
.text, #text, p{  
    color:rgb(219, 118, 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(219, 118, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 118, 248) }
```

Border

The CSS property to change the border of an element to Yxy 34.7942, 0.2921, 0.1931 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(219, 118, 248) }
```

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

```
.border{ border-color:rgb(219, 118, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 118, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 118, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 118, 248);  
box-shadow:4px 4px 4px 4px rgb(219, 118,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7942, 0.2921, 0.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 118, 248) }
```

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

```
.background{ background-color: rgb(219,  
118, 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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