

Converting Colors

$Yxy(41.9045, 0.2628, 0.2021)$

Have a look what the booklet for
Yxy(41.9045, 0.2628, 0.2021)
contains.

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Color

Yxy(41.1748, 0.2714, 0.2128)

Conversions

Conversions Part 1

Format	Color
Hex	C796FF
RGB	199, 150, 255
RGB Percent	78%, 59%, 100%
CMY	0.2196, 0.4118, 0.0000
CMYK	0.22, 0.41, 0.00, 0.00
HSL	268°, 100%, 79%
HSV	268°, 41%, 100%
XYZ	52.5133, 41.1748, 99.8025
YIQ	176.6210, -4.5010, 43.0430

Conversions

Conversions Part 2

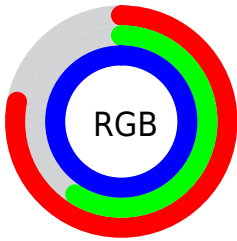
Format	Color
R _Y B	199, 150, 255
Decimal	13080319
CIE Lab	70.30, 38.31, -45.49
CIE LCh	70, 59.468, 310.100
Yxy	41.1748, 0.2714, 0.2128
Android (android.graphics.Color)	4291270399 (0xFFC796FF)
YUV	176.6210, 38.6408, 19.6264
Hunter-Lab	64.1676, 33.7872, -47.2988

Details

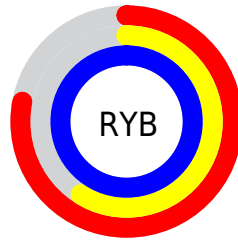
The Yxy color **41.1748, 0.2714, 0.2128** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.8417, 0.3410, 0.4439**, and the grayscale version is **43.5533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1426, 0.3150, 0.2801**, and **18.6522, 0.2584, 0.1861** is the 20% darker color. If you saturate the color by 10%, you get **32.1260, 0.2582, 0.1826**, and if you desaturate by 10%, it is **52.1612, 0.2836, 0.2432**.

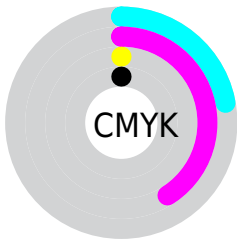
Distribution



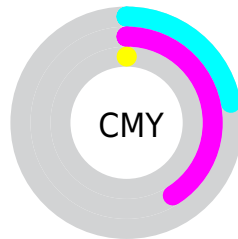
- Red (78%)
- Green (59%)
- Blue (100%)



- Red (78%)
- Yellow (59%)
- Blue (100%)



- Cyan (22%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1748, 0.2714, 0.2128 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 41.1748, 0.2714, 0.2128 by changing the saturation by 10% instead.


 41.1748, 0.2714,
0.2128

 41.1748, 0.2714,
0.2128


351.0507, 0.2933,
0.2662

 28.4557, 0.2658,
0.2009


 76.9492, 0.2795,
0.2311

 18.6695, 0.2586,
0.1865


 100.7732, 0.2825,
0.2383

 11.4317, 0.2490,
0.1688


129.0677, 0.2850,
0.2445

 6.3580, 0.2359,
0.1466

162.2171, 0.2872,
0.2500

 3.0640, 0.2172,
0.1185

200.6056, 0.2890,
0.2548

 1.1652, 0.1892,
0.0831

244.6178, 0.2906,

 0.0330, 0.1513,

0.2590


0.0051


294.6380, 0.2920,
0.2628

 0.0000, 0.0000,
0.0000


 41.1748, 0.2714,
0.2128


 41.1748, 0.2714,
0.2128


 32.1260, 0.2582,
0.1826


 52.1612, 0.2836,
0.2432


 24.8930, 0.2442,
0.1539

 65.1937, 0.2944,
0.2727


 19.3420, 0.2300,
0.1285

 80.3739, 0.3038,
0.3005

 15.3192, 0.2163,
0.1079

 97.7964, 0.3118,
0.3261

 12.6403, 0.2038,
0.0930

 100.0000, 0.3127,
0.3290

■ 11.1441, 0.1941,
0.0843

Harmonies

Analogous

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



41.1748, 0.2074, 0.2008



41.1748, 0.2714, 0.2128



41.1748, 0.3578, 0.2473

Triad

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



41.1748, 0.2714, 0.2128



41.1748, 0.4684, 0.4203



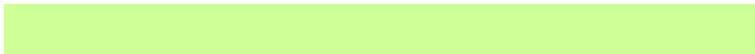
41.1748, 0.1959, 0.3445

Complementary

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



41.1748, 0.2714, 0.2128



86.8417, 0.3410, 0.4439

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.



41.1748, 0.2551, 0.4376



41.1748, 0.2714, 0.2128



41.1748, 0.4125, 0.4727

Square

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



41.1748, 0.2714, 0.2128



41.1748, 0.4817, 0.3585



41.1748, 0.3346, 0.4877



41.1748, 0.1688, 0.2626

Rectangle

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



41.1748, 0.2714, 0.2128



41.1748, 0.4155, 0.2801



41.1748, 0.3346, 0.4877



41.1748, 0.2123, 0.3767

Sweetspot

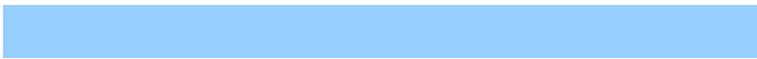
The Sweet Spot groups the original color and five complimentary colors.



41.1752, 0.2714, 0.2128



79.0423, 0.3031, 0.2983



57.8456, 0.2468, 0.2709



16.4722, 0.3019, 0.2948



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.



41.1752, 0.2714, 0.2128



33.9376, 0.2611, 0.1891



49.6339, 0.3145, 0.2265



17.7933, 0.3052, 0.3050



5.9100, 0.1958, 0.0852



0.6397, 0.2082, 0.0921

Inverse Universe

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



47.5272, 0.3616, 0.2715



41.2549, 0.3751, 0.2611



80.5427, 0.3086, 0.4562



18.1490, 0.3210, 0.3164



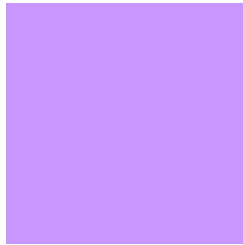
12.0677, 0.4823, 0.2431



1.1971, 0.4588, 0.2301

Previews

White Background



This preview shows how the Yxy color 41.1748, 0.2714, 0.2128 looks on a white background.

Color Contrast Check

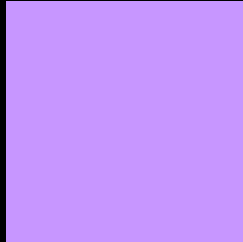
Large Text (above 18pt) WCAG AA × Fail

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 41.1748, 0.2714, 0.2128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

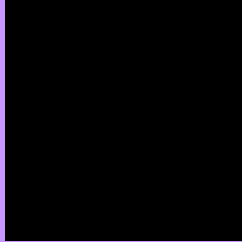
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1748, 0.2714, 0.2128

Background



This preview shows how black text looks on a background with the Yxy color 41.1748, 0.2714, 0.2128.



This preview shows how white text looks on a background with the Yxy color 41.1748, 0.2714, 0.2128.

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

41.1748, 0.2714, 0.2128

Protanopia

41.3467, 0.2345, 0.2234

Deuteranopia

41.5798, 0.2352, 0.2294



Tritanopia

40.9662, 0.3200, 0.3119

Trichromacy



Original Color

41.1748, 0.2714, 0.2128



Protanomaly

40.8472, 0.2464, 0.2185



Deuteranomaly

40.7997, 0.2469, 0.2220

Tritanomaly

40.7230, 0.3010, 0.2705

Monochromacy



Original Color

41.1748, 0.2714, 0.2128



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.3595, 0.2974, 0.2809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1748, 0.2714, 0.2128 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(199, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 150, 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(199, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.1748, 0.2714, 0.2128 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(199, 150, 255) }
```

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

```
.border{ border-color:rgb(199, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1748, 0.2714, 0.2128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 150, 255) }
```

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

```
.background{ background-color: rgb(199,  
150, 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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