

Converting Colors

$Y_{xy}(40.7494, 0.2714, 0.2085)$

Have a look what the booklet for
Yxy(40.7494, 0.2714, 0.2085)
contains.

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Color

Yxy(40.5049, 0.2728, 0.2102)

Conversions

Conversions Part 1

Format	Color
Hex	C993FF
RGB	201, 147, 255
RGB Percent	79%, 58%, 100%
CMY	0.2117, 0.4235, 0.0001
CMYK	0.21, 0.42, 0.00, 0.00
HSL	270°, 100%, 79%
HSV	270°, 42%, 100%
XYZ	52.5677, 40.5049, 99.6243
YIQ	175.4580, -2.4840, 45.0360

Conversions

Conversions Part 2

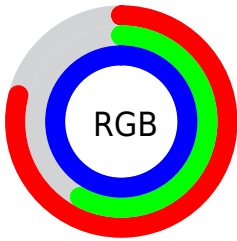
Format	Color
R _Y B	201, 147, 255
Decimal	13210623
CIE Lab	69.83, 40.47, -46.18
CIE LCh	70, 61.410, 311.231
Yxy	40.5049, 0.2728, 0.2102
Android (android.graphics.Color)	4291400703 (0xFFC993FF)
YUV	175.4580, 39.2142, 22.4003
Hunter-Lab	63.6435, 36.0600, -48.2592

Details

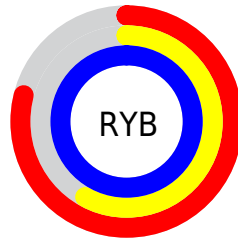
The Yxy color **40.5049, 0.2728, 0.2102** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.0162, 0.3392, 0.4483**, and the grayscale version is **42.9147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **18.2814, 0.2601, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **31.7425, 0.2603, 0.1806**, and if you desaturate by 10%, it is **51.1741, 0.2843, 0.2403**.

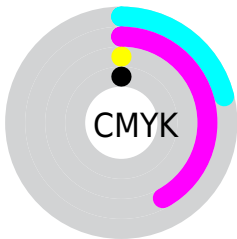
Distribution



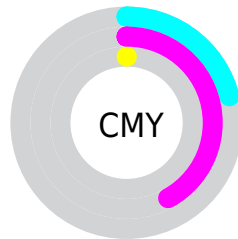
- Red (79%)
- Green (58%)
- Blue (100%)



- Red (79%)
- Yellow (58%)
- Blue (100%)



- Cyan (21%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5049, 0.2728, 0.2102 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 40.5049, 0.2728, 0.2102 by changing the saturation by 10% instead.

 40.5049, 0.2728,
0.2102


 40.5049, 0.2728,
0.2102


348.2471, 0.2941,
0.2647

 27.9324, 0.2673,
0.1981


 75.9317, 0.2807,
0.2289

 18.2747, 0.2602,
0.1835

 99.5549, 0.2837,
0.2362

 11.1474, 0.2507,
0.1655


127.6304, 0.2861,
0.2426

 6.1661, 0.2377,
0.1430

160.5427, 0.2882,
0.2481

 2.9463, 0.2191,
0.1146

198.6761, 0.2900,
0.2530

 1.1038, 0.1910,
0.0793

242.4150, 0.2916,


 0.0000, 0.1532,


0.2574

0.0000


292.1439, 0.2929,
0.2613


 0.0000, 0.0000,
0.0000


 40.5049, 0.2728,
0.2102


 40.5049, 0.2728,
0.2102


 31.7425, 0.2603,
0.1806


 51.1741, 0.2843,
0.2403


 24.7610, 0.2470,
0.1528


 63.8552, 0.2945,
0.2696

 19.4267, 0.2336,
0.1285

 78.6513, 0.3035,
0.2974

 15.5839, 0.2206,
0.1089

 95.6570, 0.3111,
0.3233

 13.0449, 0.2087,
0.0950

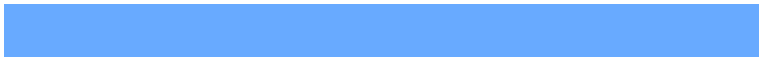
 99.9977, 0.3127,
0.3290

■ 11.7711, 0.2005,
0.0878

Harmonies

Analogous

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



40.5049, 0.2059, 0.1969



40.5049, 0.2728, 0.2102



40.5049, 0.3629, 0.2464

Triad

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



40.5049, 0.2728, 0.2102



40.5049, 0.4719, 0.4247



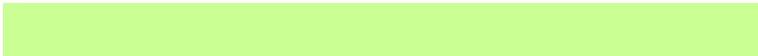
40.5049, 0.1902, 0.3410

Complementary

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



40.5049, 0.2728, 0.2102



86.0162, 0.3392, 0.4483

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.



40.5049, 0.2499, 0.4391



40.5049, 0.2728, 0.2102



40.5049, 0.4124, 0.4789

Square

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



40.5049, 0.2728, 0.2102



40.5049, 0.4883, 0.3610



40.5049, 0.3314, 0.4936



40.5049, 0.1639, 0.2573

Rectangle

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



40.5049, 0.2728, 0.2102



40.5049, 0.4224, 0.2804



40.5049, 0.3314, 0.4936



40.5049, 0.2066, 0.3746

Sweetspot

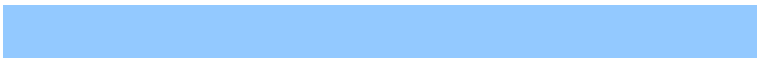
The Sweet Spot groups the original color and five complimentary colors.



40.5065, 0.2728, 0.2102



77.6350, 0.3029, 0.2957



55.1883, 0.2442, 0.2644



15.8847, 0.3010, 0.2897



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.



40.5065, 0.2728, 0.2102



32.8222, 0.2620, 0.1845



49.3409, 0.3176, 0.2248



17.8241, 0.3058, 0.3050



6.2414, 0.2021, 0.0887



0.6726, 0.2144, 0.0955

Inverse Universe

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



46.3385, 0.3671, 0.2735



39.6299, 0.3837, 0.2628



79.8077, 0.3065, 0.4611



18.1385, 0.3215, 0.3172



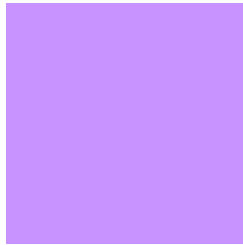
11.9457, 0.4965, 0.2509



1.1852, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 40.5049, 0.2728, 0.2102 looks on a white background.

Color Contrast Check

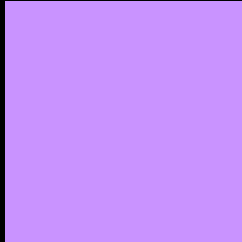
Large Text (above 18pt) WCAG AA × Fail

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 40.5049, 0.2728, 0.2102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

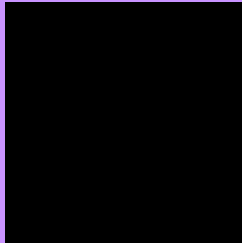
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5049, 0.2728, 0.2102

Background



This preview shows how black text looks on a background with the Yxy color 40.5049, 0.2728, 0.2102.



This preview shows how white text looks on a background with the Yxy color 40.5049, 0.2728, 0.2102.

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

40.5049, 0.2728, 0.2102

Protanopia

40.8007, 0.2331, 0.2219

Deuteranopia

40.9699, 0.2343, 0.2288



Tritanopia

40.4166, 0.3238, 0.3120

Trichromacy



Original Color

40.5049, 0.2728, 0.2102

Protanomaly

40.0430, 0.2454, 0.2159

Deuteranomaly

40.3425, 0.2460, 0.2206

Tritanomaly

40.1990, 0.3045, 0.2706

Monochromacy



Original Color

40.5049, 0.2728, 0.2102

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.4602, 0.2973, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5049, 0.2728, 0.2102 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(201, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 147, 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(201, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 147, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.5049, 0.2728, 0.2102 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(201, 147, 255) }
```

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

```
.border{ border-color:rgb(201, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 147,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5049, 0.2728, 0.2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 147, 255) }
```

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

```
.background{ background-color: rgb(201,  
147, 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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