

Converting Colors

$Y_{xy}(46.8045, 0.2604, 0.1998)$

Have a look what the booklet for
Yxy(46.8045, 0.2604, 0.1998)
contains.

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Color

Yxy(44.5993, 0.2782, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	CF9DFF
RGB	207, 157, 255
RGB Percent	81%, 62%, 100%
CMY	0.1882, 0.3843, 0.0000
CMYK	0.19, 0.38, 0.00, 0.00
HSL	271°, 100%, 81%
HSV	271°, 38%, 100%
XYZ	55.8394, 44.5993, 100.2782
YIQ	183.1220, -1.6580, 41.0780

Conversions

Conversions Part 2

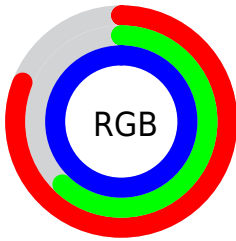
Format	Color
R _Y B	207, 157, 255
Decimal	13606399
CIE Lab	72.63, 36.75, -41.78
CIE LCh	73, 55.644, 311.336
Yxy	44.5993, 0.2782, 0.2222
Android (android.graphics.Color)	4291796479 (0xFFCF9DFF)
YUV	183.1220, 35.4359, 20.9410
Hunter-Lab	66.7827, 32.3806, -42.2795

Details

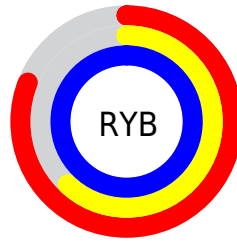
The Yxy color **44.5993, 0.2782, 0.2222** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.9340, 0.3366, 0.4366**, and the grayscale version is **47.2277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5670, 0.3147, 0.2871**, and **20.7597, 0.2674, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **35.1252, 0.2663, 0.1924**, and if you desaturate by 10%, it is **56.0189, 0.2890, 0.2520**.

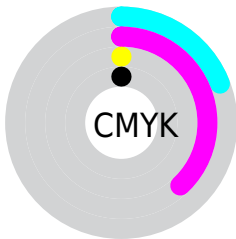
Distribution



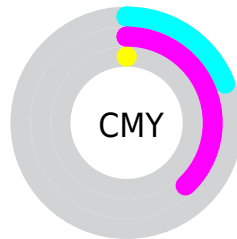
- Red (81%)
- Green (62%)
- Blue (100%)



- Red (81%)
- Yellow (62%)
- Blue (100%)



- Cyan (19%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5993, 0.2782, 0.2222 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 44.5993, 0.2782, 0.2222 by changing the saturation by 10% instead.


 44.5993, 0.2782,
0.2222

 44.5993, 0.2782,
0.2222


365.1483, 0.2964,
0.2712

 31.1419, 0.2735,
0.2113


 82.1188, 0.2849,
0.2390

 20.7069, 0.2675,
0.1981


 106.9497, 0.2874,
0.2456

 12.9100, 0.2596,
0.1817


136.3406, 0.2895,
0.2513

 7.3666, 0.2487,
0.1611

170.6758, 0.2913,
0.2563

 3.6924, 0.2330,
0.1347

210.3398, 0.2929,
0.2606

 1.5030, 0.2092,
0.1007

255.7170, 0.2942,

 0.2909, 0.1741,

0.2645

0.0415

307.1916, 0.2954,
0.2680

0.0000, 0.0468,
0.0000

0.0000, 0.0000,
0.0000

44.5993, 0.2782,
0.2222

44.5993, 0.2782,
0.2222

35.1252, 0.2663,
0.1924

56.0189, 0.2890,
0.2520

27.4764, 0.2535,
0.1639

69.4861, 0.2985,
0.2808

21.5252, 0.2403,
0.1382

85.1008, 0.3067,
0.3078

17.1249, 0.2273,
0.1168

100.0000, 0.3127,
0.3290

■ 14.1026, 0.2151,
0.1008

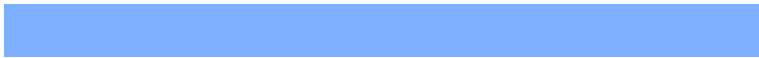
■ 12.2173, 0.2041,
0.0903

■ 11.9737, 0.2024,
0.0889

Harmonies

Analogous

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



44.5993, 0.2175, 0.2103



44.5993, 0.2782, 0.2222



44.5993, 0.3577, 0.2553

Triad

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



44.5993, 0.2782, 0.2222



44.5993, 0.4549, 0.4174



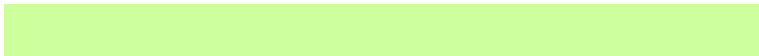
44.5993, 0.2037, 0.3403

Complementary

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



44.5993, 0.2782, 0.2222



86.9340, 0.3366, 0.4366

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.



44.5993, 0.2580, 0.4238



44.5993, 0.2782, 0.2222



44.5993, 0.4032, 0.4628

Square

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



44.5993, 0.2782, 0.2222



44.5993, 0.4677, 0.3604



44.5993, 0.3311, 0.4718



44.5993, 0.1791, 0.2667

Rectangle

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



44.5993, 0.2782, 0.2222



44.5993, 0.4094, 0.2865



44.5993, 0.3311, 0.4718



44.5993, 0.2188, 0.3691

Sweetspot

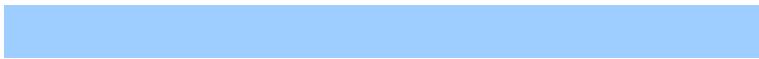
The Sweet Spot groups the original color and five complimentary colors.



44.6007, 0.2782, 0.2222



79.2739, 0.3039, 0.2984



58.5319, 0.2506, 0.2715



16.5266, 0.3029, 0.2949



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.



44.6007, 0.2782, 0.2222



37.2551, 0.2693, 0.1996



52.5952, 0.3172, 0.2338



17.8333, 0.3059, 0.3050



6.3457, 0.2041, 0.0898



0.6829, 0.2162, 0.0965

Inverse Universe

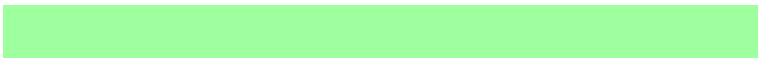
The Inverse Universe completely reimagines the original color for something new.



49.7831, 0.3612, 0.2796



43.2981, 0.3751, 0.2700



81.1229, 0.3072, 0.4470



18.1354, 0.3217, 0.3174



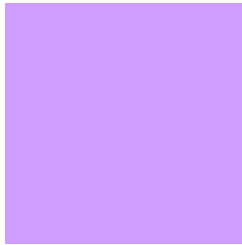
11.9111, 0.5008, 0.2532



1.1817, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 44.5993, 0.2782, 0.2222 looks on a white background.

Color Contrast Check

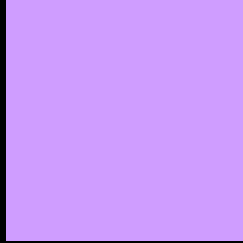
Large Text (above 18pt) WCAG AA × Fail

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 44.5993, 0.2782, 0.2222 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 44.5993, 0.2782, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 44.5993, 0.2782, 0.2222.



This preview shows how white text looks on a background with the Yxy color 44.5993, 0.2782, 0.2222.

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

44.5993, 0.2782, 0.2222

Protanopia

44.9461, 0.2419, 0.2337

Deuteranopia

44.6911, 0.2440, 0.2377



Tritanopia

44.6099, 0.3224, 0.3126

Trichromacy



Original Color

44.5993, 0.2782, 0.2222



Protanomaly

44.3666, 0.2536, 0.2285



Deuteranomaly

44.1749, 0.2554, 0.2313



Tritanomaly

44.4327, 0.3055, 0.2770

Monochromacy



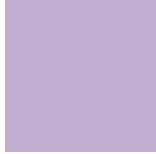
Original Color

44.5993, 0.2782, 0.2222



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

46.0820, 0.3003, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5993, 0.2782, 0.2222 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(207, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 157, 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(207, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.5993, 0.2782, 0.2222 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(207, 157, 255) }
```

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

```
.border{ border-color:rgb(207, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 157,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5993, 0.2782, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 157, 255) }
```

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

```
.background{ background-color: rgb(207,  
157, 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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