

Converting Colors

$Y_{xy}(50.0328, 0.2372, 0.1700)$

Have a look what the booklet for
Yxy(50.0328, 0.2372, 0.1700)
contains.

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Color

Yxy(44.2623, 0.2781, 0.2211)

Conversions

Conversions Part 1

Format	Color
Hex	CF9CFF
RGB	207, 156, 255
RGB Percent	81%, 61%, 100%
CMY	0.1883, 0.3882, 0.0000
CMYK	0.19, 0.39, 0.00, 0.00
HSL	271°, 100%, 81%
HSV	271°, 39%, 100%
XYZ	55.6732, 44.2623, 100.2558
YIQ	182.5350, -1.3830, 41.6010

Conversions

Conversions Part 2

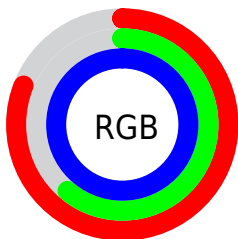
Format	Color
R _Y B	207, 156, 255
Decimal	13606143
CIE Lab	72.40, 37.30, -42.15
CIE LCh	72, 56.286, 311.505
Yxy	44.2623, 0.2781, 0.2211
Android (android.graphics.Color)	4291796223 (0xFFCF9CFF)
YUV	182.5350, 35.7252, 21.4558
Hunter-Lab	66.5299, 32.9440, -42.7748

Details

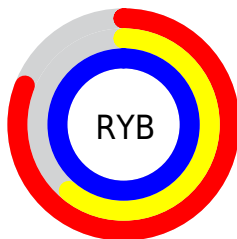
The Yxy color **44.2623, 0.2781, 0.2211** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.7599, 0.3365, 0.4379**, and the grayscale version is **46.8856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **20.5572, 0.2673, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **34.8706, 0.2663, 0.1914**, and if you desaturate by 10%, it is **55.5873, 0.2889, 0.2509**.

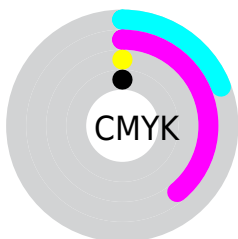
Distribution



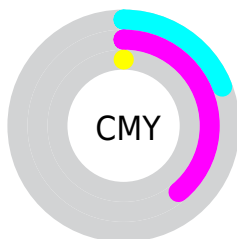
- Red (81%)
- Green (61%)
- Blue (100%)



- Red (81%)
- Yellow (61%)
- Blue (100%)



- Cyan (19%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2623, 0.2781, 0.2211 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 44.2623, 0.2781, 0.2211 by changing the saturation by 10% instead.


 44.2623, 0.2781,
0.2211


 44.2623, 0.2781,
0.2211


363.7776, 0.2964,
0.2705

 30.8768, 0.2734,
0.2101


 81.6123, 0.2849,
0.2380

 20.5050, 0.2674,
0.1968


 106.3456, 0.2874,
0.2447

 12.7627, 0.2594,
0.1803


135.6302, 0.2895,
0.2505

 7.2653, 0.2483,
0.1595

169.8506, 0.2913,
0.2555

 3.6286, 0.2325,
0.1329

209.3911, 0.2929,
0.2599

 1.4680, 0.2085,
0.0988

254.6362, 0.2942,

 0.2661, 0.1733,

0.2639

0.0382

305.9702, 0.2954,
0.2674

0.0000, 0.0430,
0.0000

0.0000, 0.0000,
0.0000

44.2623, 0.2781,
0.2211

44.2623, 0.2781,
0.2211

34.8706, 0.2663,
0.1914

55.5873, 0.2889,
0.2509

27.2994, 0.2536,
0.1631

68.9558, 0.2983,
0.2797

21.4179, 0.2406,
0.1376

84.4652, 0.3065,
0.3068

17.0788, 0.2277,
0.1165

100.0000, 0.3127,
0.3290

■ 14.1079, 0.2155,
0.1008

■ 12.2541, 0.2046,
0.0904

■ 12.0714, 0.2034,
0.0894

Harmonies

Analogous

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



44.2623, 0.2166, 0.2089



44.2623, 0.2781, 0.2211



44.2623, 0.3587, 0.2547

Triad

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



44.2623, 0.2781, 0.2211



44.2623, 0.4564, 0.4186



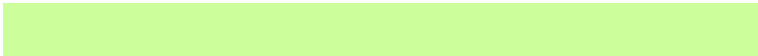
44.2623, 0.2021, 0.3399

Complementary

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



44.2623, 0.2781, 0.2211



86.7599, 0.3365, 0.4379

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.



44.2623, 0.2568, 0.4249



44.2623, 0.2781, 0.2211



44.2623, 0.4038, 0.4647

Square

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



44.2623, 0.2781, 0.2211



44.2623, 0.4699, 0.3609



44.2623, 0.3307, 0.4739



44.2623, 0.1774, 0.2654

Rectangle

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



44.2623, 0.2781, 0.2211



44.2623, 0.4112, 0.2862



44.2623, 0.3307, 0.4739



44.2623, 0.2172, 0.3691

Sweetspot

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



44.2611, 0.2781, 0.2211



79.2997, 0.3040, 0.2984



58.1908, 0.2499, 0.2708



16.5327, 0.3030, 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.



44.2611, 0.2781, 0.2211



36.4431, 0.2685, 0.1968



52.2576, 0.3172, 0.2329



17.8377, 0.3060, 0.3050



6.3969, 0.2050, 0.0903



0.6879, 0.2171, 0.0970

Inverse Universe

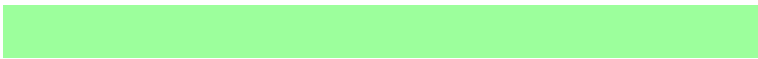
The Inverse Universe completely reimagines the original color for something new.



49.3980, 0.3623, 0.2795



42.4924, 0.3777, 0.2694



80.9885, 0.3071, 0.4484



18.1339, 0.3218, 0.3175



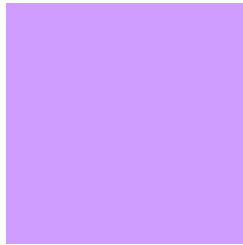
11.8948, 0.5028, 0.2544



1.1801, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 44.2623, 0.2781, 0.2211 looks on a white background.

Color Contrast Check

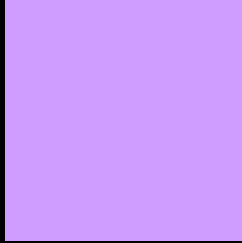
Large Text (above 18pt) WCAG AA × Fail

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 44.2623, 0.2781, 0.2211 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 44.2623, 0.2781, 0.2211

Background



This preview shows how black text looks on a background with the Yxy color 44.2623, 0.2781, 0.2211.



This preview shows how white text looks on a background with the Yxy color 44.2623, 0.2781, 0.2211.

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

44.2623, 0.2781, 0.2211

Protanopia

44.4593, 0.2411, 0.2323

Deuteranopia

44.5950, 0.2434, 0.2375



Tritanopia

44.1886, 0.3234, 0.3126

Trichromacy



Original Color

44.2623, 0.2781, 0.2211



Protanomaly

43.8832, 0.2528, 0.2271



Deuteranomaly

44.0621, 0.2547, 0.2311

Tritanomaly

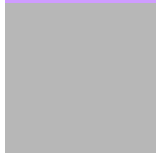
44.0677, 0.3055, 0.2758

Monochromacy



Original Color

44.2623, 0.2781, 0.2211



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.6971, 0.3003, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2623, 0.2781, 0.2211 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, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 156, 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, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.2623, 0.2781, 0.2211 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, 156, 255) }
```

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

```
.border{ border-color:rgb(207, 156, 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, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2623, 0.2781, 0.2211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 156, 255) }
```

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

```
.background{ background-color: rgb(207,  
156, 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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