

Converting Colors

$Y_{xy}(44.5436, 0.2664, 0.2254)$

Have a look what the booklet for
Yxy(44.5436, 0.2664, 0.2254)
contains.

Yxy(44.4908, 0.2664, 0.2252)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.4908, 0.2664, 0.2252)

Conversions

Conversions Part 1

Format	Color
Hex	BFA3FF
RGB	191, 163, 255
RGB Percent	75%, 64%, 100%
CMY	0.2511, 0.3607, 0.0000
CMYK	0.25, 0.36, 0.00, 0.00
HSL	258°, 100%, 82%
HSV	258°, 36%, 100%
XYZ	52.6303, 44.4908, 100.4402
YIQ	181.8600, -12.8440, 34.5480

Conversions

Conversions Part 2

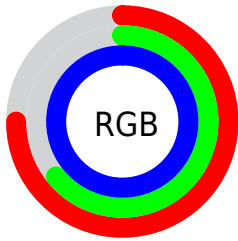
Format	Color
R_{YB}	191, 163, 255
Decimal	12559359
CIE _{Lab}	72.56, 28.88, -42.01
CIE _{LCh}	73, 50.979, 304.508
Yxy	44.4908, 0.2664, 0.2252
Android (android.graphics.Color)	4290749439 (0xFFBFA3FF)
YUV	181.8600, 36.0580, 8.0158
Hunter-Lab	66.7014, 24.1168, -42.5889

Details

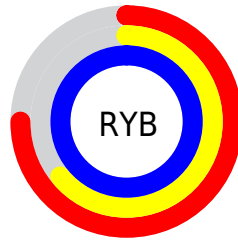
The Yxy color **44.4908, 0.2664, 0.2252** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.5018, 0.3481, 0.4253**, and the grayscale version is **46.5029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5025, 0.3102, 0.2925**, and **20.6803, 0.2533, 0.2013** is the 20% darker color. If you saturate the color by 10%, you get **34.1667, 0.2500, 0.1926**, and if you desaturate by 10%, it is **56.9198, 0.2814, 0.2569**.

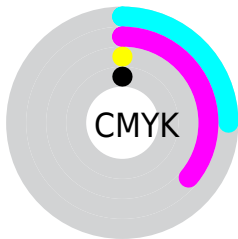
Distribution



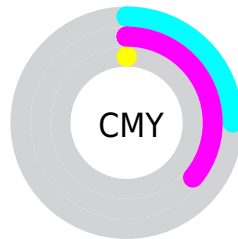
- Red (75%)
- Green (64%)
- Blue (100%)



- Red (75%)
- Yellow (64%)
- Blue (100%)



- Cyan (25%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4908, 0.2664, 0.2252 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 44.4908, 0.2664, 0.2252 by changing the saturation by 10% instead.

 44.4908, 0.2664,
0.2252


 44.4908, 0.2664,
0.2252


364.7074, 0.2901,
0.2732

 31.0565, 0.2605,
0.2144


 81.9558, 0.2750,
0.2418

 20.6419, 0.2530,
0.2013


 106.7553, 0.2782,
0.2482

 12.8625, 0.2433,
0.1849


136.1120, 0.2810,
0.2538

 7.3339, 0.2301,
0.1642

170.4103, 0.2833,
0.2587

 3.6718, 0.2114,
0.1376

210.0346, 0.2853,
0.2630

 1.4917, 0.1840,
0.1029

255.3693, 0.2871,

 0.2829, 0.1447,

0.2668

0.0417

306.7987, 0.2887,
0.2702

0.0000, 0.0000,
0.0000

44.4908, 0.2664,
0.2252

44.4908, 0.2664,
0.2252

34.1667, 0.2500,
0.1926

56.9198, 0.2814,
0.2569

25.8264, 0.2328,
0.1605

71.5635, 0.2948,
0.2866

19.3374, 0.2154,
0.1308

88.5248, 0.3064,
0.3138

14.5502, 0.1990,
0.1055

100.0000, 0.3127,
0.3290

11.2906, 0.1846,
0.0862

■ 9.3444, 0.1728,
0.0739

■ 8.8192, 0.1690,
0.0705

Harmonies

Analogous

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



44.4908, 0.2151, 0.2194



44.4908, 0.2664, 0.2252



44.4908, 0.3372, 0.2521

Triad

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



44.4908, 0.2664, 0.2252



44.4908, 0.4504, 0.4008



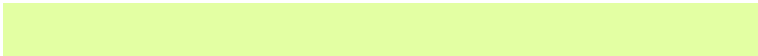
44.4908, 0.2214, 0.3577

Complementary

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



44.4908, 0.2664, 0.2252



90.5018, 0.3481, 0.4253

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.



44.4908, 0.2774, 0.4292



44.4908, 0.2664, 0.2252



44.4908, 0.4103, 0.4456

Square

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



44.4908, 0.2664, 0.2252



44.4908, 0.4513, 0.3472



44.4908, 0.3467, 0.4618



44.4908, 0.1914, 0.2856

Rectangle

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



44.4908, 0.2664, 0.2252



44.4908, 0.3862, 0.2794



44.4908, 0.3467, 0.4618



44.4908, 0.2376, 0.3835

Sweetspot

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



44.4911, 0.2664, 0.2252



79.8742, 0.3009, 0.3007



70.1667, 0.2575, 0.2975



16.6084, 0.2993, 0.2970



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.



44.4911, 0.2664, 0.2252



37.1236, 0.2552, 0.2027



51.3543, 0.3020, 0.2352



17.6454, 0.3026, 0.3048



4.6762, 0.1705, 0.0713



0.5096, 0.1823, 0.0778

Inverse Universe

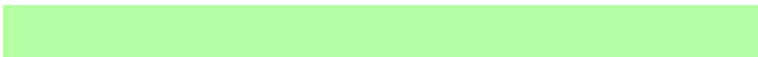
The Inverse Universe completely reimagines the original color for something new.



53.0063, 0.3401, 0.2643



46.8741, 0.3472, 0.2521



84.0380, 0.3185, 0.4350



18.2008, 0.3185, 0.3126



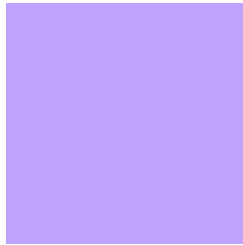
12.8054, 0.4164, 0.2067



1.2663, 0.4028, 0.1993

Previews

White Background



This preview shows how the Yxy color 44.4908, 0.2664, 0.2252 looks on a white background.

Color Contrast Check

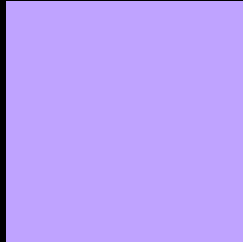
Large Text (above 18pt) WCAG AA × Fail

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 44.4908, 0.2664, 0.2252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

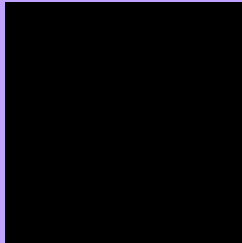
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4908, 0.2664, 0.2252

Background



This preview shows how black text looks on a background with the Yxy color 44.4908, 0.2664, 0.2252.



This preview shows how white text looks on a background with the Yxy color 44.4908, 0.2664, 0.2252.

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

44.4908, 0.2664, 0.2252

Protanopia

44.5553, 0.2417, 0.2325

Deuteranopia

44.6583, 0.2429, 0.2365



Tritanopia

44.3521, 0.3041, 0.3107

Trichromacy



Original Color

44.4908, 0.2664, 0.2252

Protanomaly

44.4528, 0.2499, 0.2298

Deuteranomaly

44.3247, 0.2510, 0.2317

Tritanomaly

44.0481, 0.2890, 0.2754

Monochromacy



Original Color

44.4908, 0.2664, 0.2252

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.5777, 0.2945, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4908, 0.2664, 0.2252 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(191, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 163, 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(191, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.4908, 0.2664, 0.2252 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(191, 163, 255) }
```

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

```
.border{ border-color:rgb(191, 163, 255) }
```

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

Here you see how a box with a 4 pixel rgb(191, 163, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4908, 0.2664, 0.2252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 163, 255) }
```

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

```
.background{ background-color: rgb(191,  
163, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor