

Converting Colors

$Yxy(48.7542, 0.2384, 0.1911)$

Have a look what the booklet for
Yxy(48.7542, 0.2384, 0.1911)
contains.

Yxy(45.4222, 0.2639, 0.2289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.4222, 0.2639, 0.2289)

Conversions

Conversions Part 1

Format	Color
Hex	BBA7FF
RGB	187, 167, 255
RGB Percent	73%, 65%, 100%
CMY	0.2666, 0.3451, 0.0000
CMYK	0.27, 0.35, 0.00, 0.00
HSL	254°, 100%, 83%
HSV	254°, 35%, 100%
XYZ	52.3675, 45.4222, 100.6472
YIQ	183.0120, -16.3280, 31.6080

Conversions

Conversions Part 2

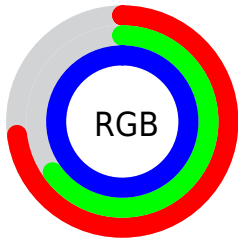
Format	Color
R_{YB}	187, 167, 255
Decimal	12298239
CIE _{Lab}	73.17, 25.55, -41.08
CIE _{LCh}	73, 48.382, 301.877
Yxy	45.4222, 0.2639, 0.2289
Android (android.graphics.Color)	4290488319 (0xFFBBA7FF)
YUV	183.0120, 35.4901, 3.4975
Hunter-Lab	67.3960, 20.7536, -41.3647

Details

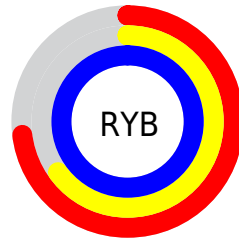
The Yxy color **45.4222, 0.2639, 0.2289** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.9705, 0.3512, 0.4195**, and the grayscale version is **47.1684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8750, 0.3074, 0.2963**, and **21.2442, 0.2503, 0.2058** is the 20% darker color. If you saturate the color by 10%, you get **34.6649, 0.2462, 0.1955**, and if you desaturate by 10%, it is **58.3608, 0.2802, 0.2610**.

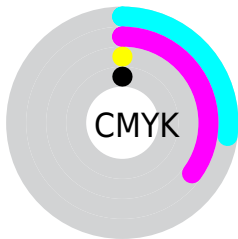
Distribution



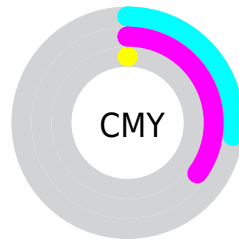
- Red (73%)
- Green (65%)
- Blue (100%)



- Red (73%)
- Yellow (65%)
- Blue (100%)



- Cyan (27%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4222, 0.2639, 0.2289 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 45.4222, 0.2639, 0.2289 by changing the saturation by 10% instead.

 45.4222, 0.2639,
0.2289


 45.4222, 0.2639,
0.2289


368.4808, 0.2886,
0.2754

 31.7901, 0.2578,
0.2184


 83.3536, 0.2728,
0.2449

 21.2012, 0.2501,
0.2056


 108.4217, 0.2762,
0.2512

 13.2712, 0.2401,
0.1897


138.0706, 0.2791,
0.2566

 7.6155, 0.2267,
0.1695

172.6847, 0.2815,
0.2613

 3.8499, 0.2078,
0.1433

212.6484, 0.2836,
0.2655

 1.5900, 0.1802,
0.1089

258.3460, 0.2855,

 0.3508, 0.1403,

0.2692

0.0512

310.1620, 0.2871,
0.2724

0.0000, 0.0000,
0.0000

45.4222, 0.2639,
0.2289

45.4222, 0.2639,
0.2289

34.6649, 0.2462,
0.1955

58.3608, 0.2802,
0.2610

25.9686, 0.2276,
0.1622

73.5958, 0.2948,
0.2908

19.1977, 0.2091,
0.1310

91.2316, 0.3076,
0.3178

14.2006, 0.1918,
0.1042

100.0000, 0.3127,
0.3290

10.8028, 0.1770,
0.0836

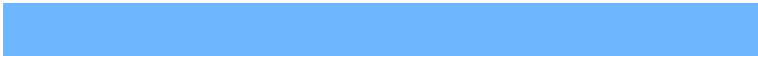
■ 8.7916, 0.1656,
0.0705

■ 8.1189, 0.1609,
0.0660

Harmonies

Analogous

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



45.4222, 0.2169, 0.2255



45.4222, 0.2639, 0.2289



45.4222, 0.3298, 0.2530

Triad

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



45.4222, 0.2639, 0.2289



45.4222, 0.4448, 0.3936



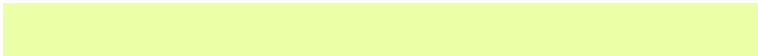
45.4222, 0.2302, 0.3626

Complementary

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



45.4222, 0.2639, 0.2289



91.9705, 0.3512, 0.4195

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.



45.4222, 0.2853, 0.4273



45.4222, 0.2639, 0.2289



45.4222, 0.4100, 0.4368

Square

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



45.4222, 0.2639, 0.2289



45.4222, 0.4414, 0.3424



45.4222, 0.3512, 0.4542



45.4222, 0.1989, 0.2938

Rectangle

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



45.4222, 0.2639, 0.2289



45.4222, 0.3763, 0.2784



45.4222, 0.3512, 0.4542



45.4222, 0.2464, 0.3865

Sweetspot

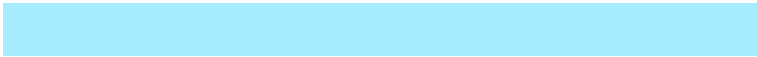
The Sweet Spot groups the original color and five complimentary colors.



45.4215, 0.2639, 0.2289



81.2486, 0.3008, 0.3033



75.3871, 0.2609, 0.3075



16.8689, 0.2990, 0.2995



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.



45.4215, 0.2639, 0.2289



38.2007, 0.2525, 0.2073



51.6899, 0.2968, 0.2378



17.5769, 0.3014, 0.3047



4.2967, 0.1621, 0.0667



0.4647, 0.1726, 0.0724

Inverse Universe

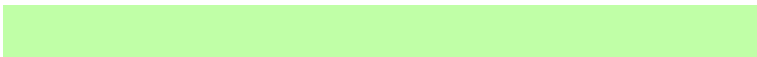
The Inverse Universe completely reimagines the original color for something new.



54.8936, 0.3329, 0.2609



48.9991, 0.3378, 0.2482



85.5073, 0.3229, 0.4283



18.2255, 0.3173, 0.3108



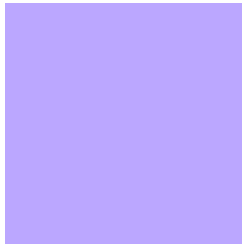
13.2395, 0.3885, 0.1914



1.3055, 0.3792, 0.1863

Previews

White Background



This preview shows how the Yxy color 45.4222, 0.2639, 0.2289 looks on a white background.

Color Contrast Check

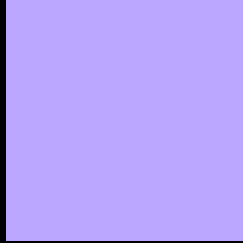
Large Text (above 18pt) WCAG AA × Fail

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 45.4222, 0.2639, 0.2289 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 45.4222, 0.2639, 0.2289

Background



This preview shows how black text looks on a background with the Yxy color 45.4222, 0.2639, 0.2289.



This preview shows how white text looks on a background with the Yxy color 45.4222, 0.2639, 0.2289.

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

45.4222, 0.2639, 0.2289

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.8027, 0.2446, 0.2385



Tritanopia

45.2492, 0.2977, 0.3094

Trichromacy



Original Color

45.4222, 0.2639, 0.2289

Protanomaly

45.3226, 0.2509, 0.2324

Deuteranomaly

45.5349, 0.2509, 0.2344

Tritanomaly

45.2015, 0.2845, 0.2777

Monochromacy



Original Color

45.4222, 0.2639, 0.2289

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.2381, 0.2937, 0.2890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4222, 0.2639, 0.2289 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(187, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 167, 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(187, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.4222, 0.2639, 0.2289 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(187, 167, 255) }
```

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

```
.border{ border-color:rgb(187, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4222, 0.2639, 0.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 167, 255) }
```

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

```
.background{ background-color: rgb(187,  
167, 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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