

Converting Colors

$Y_{xy}(47.6456, 0.2720, 0.2309)$

Have a look what the booklet for
Yxy(47.6456, 0.2720, 0.2309)
contains.

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Color

Yxy(47.5046, 0.2736, 0.2326)

Conversions

Conversions Part 1

Format	Color
Hex	C8A8FF
RGB	200, 168, 255
RGB Percent	78%, 66%, 100%
CMY	0.2156, 0.3412, 0.0000
CMYK	0.22, 0.34, 0.00, 0.00
HSL	262°, 100%, 83%
HSV	262°, 34%, 100%
XYZ	55.8782, 47.5046, 100.8503
YIQ	187.4860, -8.8550, 33.8410

Conversions

Conversions Part 2

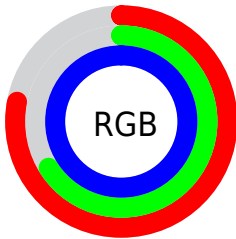
Format	Color
R_{YB}	200, 168, 255
Decimal	13150463
CIE _{Lab}	74.51, 28.73, -38.90
CIE _{LCh}	75, 48.359, 306.444
Yxy	47.5046, 0.2736, 0.2326
Android (android.graphics.Color)	4291340543 (0xFFC8A8FF)
YUV	187.4860, 33.2844, 10.9748
Hunter-Lab	68.9236, 24.0984, -38.5077

Details

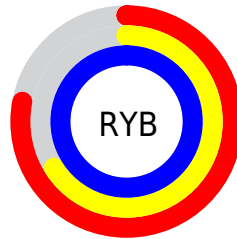
The Yxy color **47.5046, 0.2736, 0.2326** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.0308, 0.3425, 0.4210**, and the grayscale version is **49.7956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2554, 0.3142, 0.2980**, and **22.5877, 0.2627, 0.2111** is the 20% darker color. If you saturate the color by 10%, you get **36.8920, 0.2589, 0.2009**, and if you desaturate by 10%, it is **60.1979, 0.2870, 0.2634**.

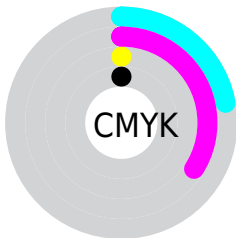
Distribution



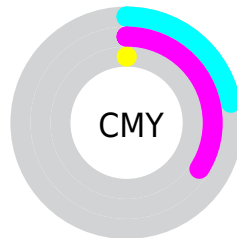
- Red (78%)
- Green (66%)
- Blue (100%)



- Red (78%)
- Yellow (66%)
- Blue (100%)



- Cyan (22%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5046, 0.2736, 0.2326 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 47.5046, 0.2736, 0.2326 by changing the saturation by 10% instead.

 47.5046, 0.2736,
0.2326


 47.5046, 0.2736,
0.2326


376.8251, 0.2935,
0.2770

 33.4347, 0.2686,
0.2227


 86.4663, 0.2809,
0.2479

 22.4597, 0.2623,
0.2105


 112.1270, 0.2836,
0.2539

 14.1951, 0.2541,
0.1954

142.4201, 0.2859,
0.2590

 8.2565, 0.2429,
0.1762

177.7299, 0.2879,
0.2636

 4.2595, 0.2271,
0.1513

218.4410, 0.2896,
0.2675

 1.8198, 0.2035,
0.1183

264.9376, 0.2911,

 0.4994, 0.1675,

0.2710

0.0684

317.6042, 0.2924,
0.2742

0.0000, 0.0467,
0.0000

0.0000, 0.0000,
0.0000

47.5046, 0.2736,
0.2326

47.5046, 0.2736,
0.2326

36.8920, 0.2589,
0.2009

60.1979, 0.2870,
0.2634

28.2432, 0.2431,
0.1694

75.0770, 0.2987,
0.2923

21.4313, 0.2268,
0.1400

92.2415, 0.3090,
0.3188

16.3135, 0.2110,
0.1144

100.0000, 0.3127,
0.3290

■ 12.7250, 0.1964,
0.0943

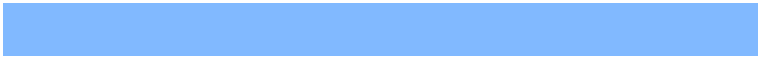
■ 10.4650, 0.1839,
0.0807

■ 9.5924, 0.1776,
0.0752

Harmonies

Analogous

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



47.5046, 0.2238, 0.2259



47.5046, 0.2736, 0.2326



47.5046, 0.3402, 0.2592

Triad

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



47.5046, 0.2736, 0.2326



47.5046, 0.4398, 0.4003



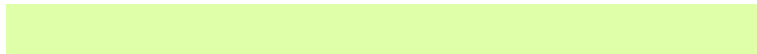
47.5046, 0.2250, 0.3512

Complementary

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



47.5046, 0.2736, 0.2326



90.0308, 0.3425, 0.4210

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.



47.5046, 0.2765, 0.4177



47.5046, 0.2736, 0.2326



47.5046, 0.4011, 0.4401

Square

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



47.5046, 0.2736, 0.2326



47.5046, 0.4427, 0.3502



47.5046, 0.3409, 0.4512



47.5046, 0.1981, 0.2856

Rectangle

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



47.5046, 0.2736, 0.2326



47.5046, 0.3852, 0.2856



47.5046, 0.3409, 0.4512



47.5046, 0.2398, 0.3750

Sweetspot

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



47.5050, 0.2736, 0.2326



81.8666, 0.3031, 0.3035



68.3718, 0.2595, 0.2927



17.0177, 0.3017, 0.2997



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.



47.5050, 0.2736, 0.2326



39.9869, 0.2636, 0.2108



54.3488, 0.3074, 0.2416



17.7033, 0.3036, 0.3048



5.0895, 0.1793, 0.0761



0.5550, 0.1917, 0.0830

Inverse Universe

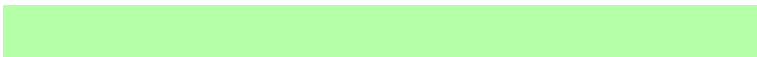
The Inverse Universe completely reimagines the original color for something new.



54.5893, 0.3430, 0.2731



48.2012, 0.3513, 0.2618



84.0016, 0.3147, 0.4295



18.1803, 0.3195, 0.3141



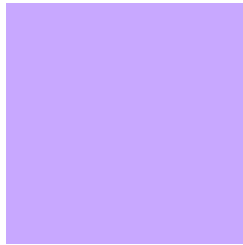
12.4857, 0.4414, 0.2206



1.2368, 0.4240, 0.2109

Previews

White Background



This preview shows how the Yxy color 47.5046, 0.2736, 0.2326 looks on a white background.

Color Contrast Check

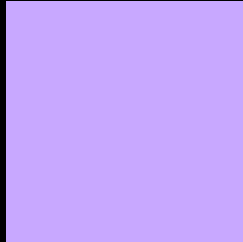
Large Text (above 18pt) WCAG AA × Fail

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 47.5046, 0.2736, 0.2326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

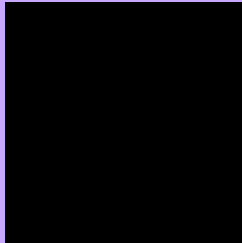
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5046, 0.2736, 0.2326

Background



This preview shows how black text looks on a background with the Yxy color 47.5046, 0.2736, 0.2326.



This preview shows how white text looks on a background with the Yxy color 47.5046, 0.2736, 0.2326.

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

47.5046, 0.2736, 0.2326

Protanopia

47.7413, 0.2478, 0.2411

Deuteranopia

47.6531, 0.2500, 0.2442



Tritanopia

47.3564, 0.3093, 0.3113

Trichromacy



Original Color

47.5046, 0.2736, 0.2326

Protanomaly

47.3846, 0.2567, 0.2373

Deuteranomaly

47.2565, 0.2578, 0.2392

Tritanomaly

47.3460, 0.2958, 0.2806

Monochromacy



Original Color

47.5046, 0.2736, 0.2326

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.6025, 0.2980, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5046, 0.2736, 0.2326 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(200, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 168, 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(200, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.5046, 0.2736, 0.2326 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(200, 168, 255) }
```

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

```
.border{ border-color:rgb(200, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5046, 0.2736, 0.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 168, 255) }
```

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

```
.background{ background-color: rgb(200,  
168, 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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