

Converting Colors

$Yxy(47.6707, 0.2826, 0.2603)$

Have a look what the booklet for
Yxy(47.6707, 0.2826, 0.2603)
contains.

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Color

Yxy(47.7496, 0.2828, 0.2608)

Conversions

Conversions Part 1

Format	Color
Hex	C0AFE9
RGB	192, 175, 233
RGB Percent	75%, 69%, 91%
CMY	0.2470, 0.3137, 0.0864
CMYK	0.18, 0.25, 0.00, 0.09
HSL	258°, 57%, 80%
HSV	258°, 25%, 91%
XYZ	51.7776, 47.7496, 83.5618
YIQ	186.6950, -8.4860, 21.6420

Conversions

Conversions Part 2

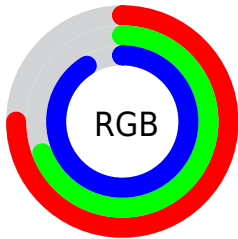
Format	Color
R_{YB}	192, 175, 233
Decimal	12627945
CIE _{Lab}	74.67, 17.55, -26.79
CIE _{LCh}	75, 32.025, 303.230
Yxy	47.7496, 0.2828, 0.2608
Android (android.graphics.Color)	4290818025 (0xFFC0AFE9)
YUV	186.6950, 22.8284, 4.6525
Hunter-Lab	69.1011, 12.8234, -23.3268

Details

The Yxy color **47.7496, 0.2828, 0.2608** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.9532, 0.3379, 0.3937**, and the grayscale version is **49.3882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5116, 0.3098, 0.3055**, and **22.7435, 0.2745, 0.2449** is the 20% darker color. If you saturate the color by 10%, you get **37.4215, 0.2679, 0.2294**, and if you desaturate by 10%, it is **59.8863, 0.2961, 0.2901**.

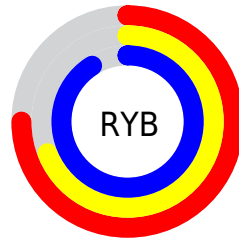
Distribution



Red (75%)

Green (69%)

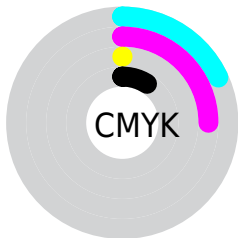
Blue (91%)



Red (75%)

Yellow (69%)

Blue (91%)

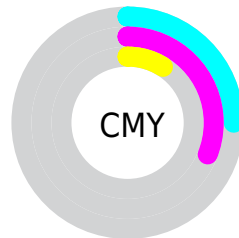


Cyan (18%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (25%)


Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7496, 0.2828, 0.2608 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 47.7496, 0.2828, 0.2608 by changing the saturation by 10% instead.

 47.7496, 0.2828,
0.2608

 47.7496, 0.2828,
0.2608

377.7987, 0.2979,
0.2932

 33.6286, 0.2790,
0.2532


 86.8315, 0.2883,
0.2722

 22.6085, 0.2742,
0.2438


112.5612, 0.2904,
0.2766

 14.3047, 0.2678,
0.2319


142.9292, 0.2921,
0.2803

 8.3329, 0.2590,
0.2161

178.3200, 0.2936,
0.2836

 4.3087, 0.2462,
0.1946

219.1180, 0.2949,
0.2864

 1.8477, 0.2263,
0.1638

265.7075, 0.2961,

 0.5166, 0.1941,

0.2889

0.1088

318.4730, 0.2970,
0.2912

0.0000, 0.0000,
0.0000

47.7496, 0.2828,
0.2608

47.7496, 0.2828,
0.2608

37.4215, 0.2679,
0.2294

59.8863, 0.2961,
0.2901

28.8081, 0.2515,
0.1969

73.9079, 0.3077,
0.3169

21.8154, 0.2342,
0.1646

89.8932, 0.3176,
0.3410

16.3381, 0.2168,
0.1344

98.6620, 0.3256,
0.3503

12.2579, 0.2001,
0.1083

■ 9.4383, 0.1853,
0.0881

■ 7.7132, 0.1732,
0.0747

■ 7.1255, 0.1682,
0.0700

Harmonies

Analogous

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



47.7496, 0.2492, 0.2586



47.7496, 0.2828, 0.2608



47.7496, 0.3269, 0.2783

Triad

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



47.7496, 0.2828, 0.2608



47.7496, 0.3993, 0.3768



47.7496, 0.2570, 0.3493

Complementary

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



47.7496, 0.2828, 0.2608



75.9532, 0.3379, 0.3937

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.



47.7496, 0.2943, 0.3889



47.7496, 0.2828, 0.2608



47.7496, 0.3771, 0.4023

Square

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



47.7496, 0.2828, 0.2608



47.7496, 0.3969, 0.3423



47.7496, 0.3383, 0.4086



47.7496, 0.2352, 0.3061

Rectangle

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



47.7496, 0.2828, 0.2608



47.7496, 0.3565, 0.2966



47.7496, 0.3383, 0.4086



47.7496, 0.2681, 0.3638

Sweetspot

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



47.7516, 0.2828, 0.2608



86.8218, 0.3053, 0.3114



64.3908, 0.2745, 0.3096



18.3522, 0.3046, 0.3098



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.



47.7516, 0.2828, 0.2608



51.6722, 0.2751, 0.2445



51.8228, 0.3054, 0.2652



14.7632, 0.3026, 0.3050



4.0994, 0.1695, 0.0708



0.3699, 0.1841, 0.0788

Inverse Universe

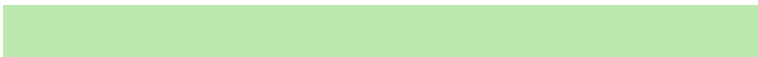
The Inverse Universe completely reimagines the original color for something new.



52.9358, 0.3293, 0.2843



59.1570, 0.3338, 0.2746



71.9969, 0.3178, 0.3979



15.2340, 0.3183, 0.3125



11.3855, 0.4120, 0.2044



0.9107, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 47.7496, 0.2828, 0.2608 looks on a white background.

Color Contrast Check

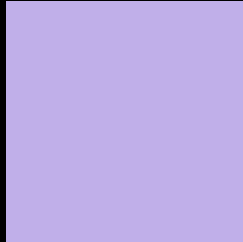
Large Text (above 18pt) WCAG AA × Fail

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 47.7496, 0.2828, 0.2608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

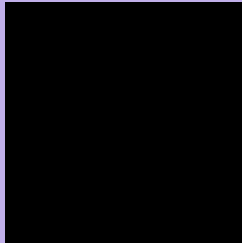
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7496, 0.2828, 0.2608

Background



This preview shows how black text looks on a background with the Yxy color 47.7496, 0.2828, 0.2608.



This preview shows how white text looks on a background with the Yxy color 47.7496, 0.2828, 0.2608.

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

47.7496, 0.2828, 0.2608

Protanopia

48.0640, 0.2634, 0.2609

Deuteranopia

47.8158, 0.2726, 0.2659



Tritanopia

47.8805, 0.3052, 0.3113

Trichromacy



Original Color

47.7496, 0.2828, 0.2608

Protanomaly

47.6434, 0.2699, 0.2604

Deuteranomaly

47.6121, 0.2761, 0.2641

Tritanomaly

47.5350, 0.2970, 0.2919

Monochromacy



Original Color

47.7496, 0.2828, 0.2608

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.0454, 0.3016, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7496, 0.2828, 0.2608 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(192, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(192, 175, 233)  
}
```

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(192, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 175, 233) }
```

Border

The CSS property to change the border of an element to Yxy 47.7496, 0.2828, 0.2608 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(192, 175, 233) }
```

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

```
.border{ border-color:rgb(192, 175, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 175, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 175, 233); box-shadow:4px 4px 4px 4px rgb(192, 175, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7496, 0.2828, 0.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 175, 233) }
```

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

```
.background{ background-color: rgb(192,  
175, 233) }
```

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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