

Converting Colors

$Y_{xy}(47.6767, 0.2810, 0.2628)$

Have a look what the booklet for
Yxy(47.6767, 0.2810, 0.2628)
contains.

Yxy(47.6957, 0.2812, 0.2626)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6957, 0.2812, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	BDB0E8
RGB	189, 176, 232
RGB Percent	74%, 69%, 91%
CMY	0.2589, 0.3098, 0.0902
CMYK	0.19, 0.24, 0.00, 0.09
HSL	254°, 55%, 80%
HSV	254°, 24%, 91%
XYZ	51.0740, 47.6957, 82.8590
YIQ	186.2710, -10.2280, 20.1720

Conversions

Conversions Part 2

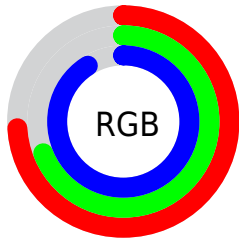
Format	Color
RYB	189, 176, 232
Decimal	12431592
CIELab	74.63, 15.84, -26.33
CIELCh	75, 30.729, 301.027
Yxy	47.6957, 0.2812, 0.2626
Android (android.graphics.Color)	4290621672 (0xFFBDB0E8)
YUV	186.2710, 22.5444, 2.3933
Hunter-Lab	69.0621, 11.1488, -22.7913

Details

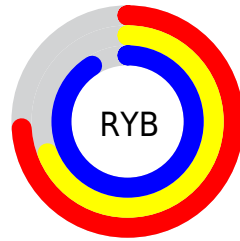
The Yxy color $47.6957, 0.2812, 0.2626$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $75.9136, 0.3396, 0.3911$, and the grayscale version is $49.1383, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.5261, 0.3078, 0.3064$, and $22.4514, 0.2724, 0.2455$ is the 20% darker color. If you saturate the color by 10%, you get $37.2225, 0.2651, 0.2308$, and if you desaturate by 10%, it is $60.0077, 0.2955, 0.2921$.

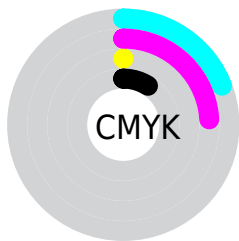
Distribution



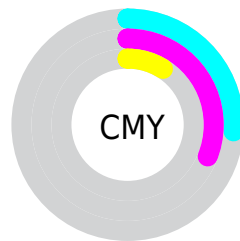
- Red (74%)
- Green (69%)
- Blue (91%)



- Red (74%)
- Yellow (69%)
- Blue (91%)



- Cyan (19%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (26%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6957, 0.2812, 0.2626 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 47.6957, 0.2812, 0.2626 by changing the saturation by 10% instead.

■ 47.6957, 0.2812,
0.2626

■ 47.6957, 0.2812,
0.2626

■ 377.5847, 0.2971,
0.2942

■ 33.5860, 0.2773,
0.2552

■ 86.7512, 0.2870,
0.2737

■ 22.5757, 0.2722,
0.2460

■ 112.4657, 0.2891,
0.2780

■ 14.2805, 0.2656,
0.2342

■ 142.8172, 0.2910,
0.2817

■ 8.3160, 0.2564,
0.2186

■ 178.1903, 0.2925,
0.2849

■ 4.2978, 0.2432,
0.1973

■ 218.9691, 0.2939,
0.2876

■ 1.8415, 0.2225,
0.1667

■ 265.5382, 0.2951,

■ 0.5129, 0.1894,

0.2901

0.1111

318.2819, 0.2961,
0.2923

0.0000, 0.0000,
0.0000

47.6957, 0.2812,
0.2626

47.6957, 0.2812,
0.2626

37.2225, 0.2651,
0.2308

60.0077, 0.2955,
0.2921

28.4930, 0.2476,
0.1977

74.2356, 0.3080,
0.3188

21.4124, 0.2292,
0.1645

90.4592, 0.3188,
0.3426

15.8746, 0.2108,
0.1333

98.6063, 0.3262,
0.3513

11.7606, 0.1936,
0.1063

■ 8.9332, 0.1786,
0.0853

■ 7.2272, 0.1669,
0.0716

■ 6.6040, 0.1616,
0.0664

Harmonies

Analogous

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



47.6957, 0.2499, 0.2618



47.6957, 0.2812, 0.2626



47.6957, 0.3232, 0.2785

Triad

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



47.6957, 0.2812, 0.2626



47.6957, 0.3966, 0.3730



47.6957, 0.2614, 0.3516

Complementary

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



47.6957, 0.2812, 0.2626



75.9136, 0.3396, 0.3911

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.



47.6957, 0.2982, 0.3885



47.6957, 0.2812, 0.2626



47.6957, 0.3769, 0.3982

Square

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



47.6957, 0.2812, 0.2626



47.6957, 0.3924, 0.3394



47.6957, 0.3405, 0.4056



47.6957, 0.2390, 0.3100

Rectangle

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



47.6957, 0.2812, 0.2626



47.6957, 0.3518, 0.2957



47.6957, 0.3405, 0.4056



47.6957, 0.2724, 0.3653

Sweetspot

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



47.6976, 0.2812, 0.2626



86.6265, 0.3046, 0.3113



66.1759, 0.2760, 0.3147



18.3070, 0.3039, 0.3097



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.



47.6976, 0.2812, 0.2626



52.3192, 0.2734, 0.2469



51.5007, 0.3026, 0.2666



14.0475, 0.3016, 0.3050



3.7134, 0.1629, 0.0671



0.3159, 0.1771, 0.0749

Inverse Universe

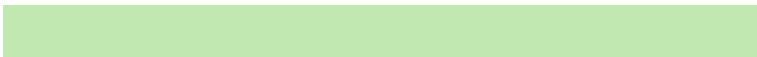
The Inverse Universe completely reimagines the original color for something new.



53.3265, 0.3259, 0.2821



60.4931, 0.3293, 0.2721



72.0394, 0.3203, 0.3951



14.5551, 0.3173, 0.3111



11.3343, 0.3896, 0.1920



0.8515, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 47.6957, 0.2812, 0.2626 looks on a white background.

Color Contrast Check

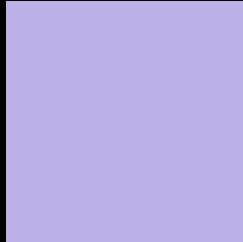
Large Text (above 18pt) WCAG AA × Fail

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 47.6957, 0.2812, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

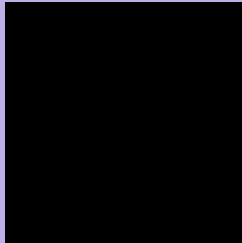
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6957, 0.2812, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 47.6957, 0.2812, 0.2626.



This preview shows how white text looks on a background with the Yxy color 47.6957, 0.2812, 0.2626.

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

47.6957, 0.2812, 0.2626

Protanopia

48.0581, 0.2653, 0.2632

Deuteranopia

47.7591, 0.2732, 0.2670



Tritanopia

47.5544, 0.3020, 0.3099

Trichromacy



Original Color

47.6957, 0.2812, 0.2626

Protanomaly

47.9878, 0.2707, 0.2627

Deuteranomaly

47.8335, 0.2761, 0.2663

Tritanomaly

47.6099, 0.2939, 0.2917

Monochromacy



Original Color

47.6957, 0.2812, 0.2626

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.3325, 0.3007, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6957, 0.2812, 0.2626 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(189, 176, 232)` looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 232)  
}
```

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(189, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 232) }
```

Border

The CSS property to change the border of an element to Yxy 47.6957, 0.2812, 0.2626 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(189, 176, 232) }
```

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

```
.border{ border-color:rgb(189, 176, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 176, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(189, 176,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6957, 0.2812, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 232) }
```

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

```
.background{ background-color: rgb(189,  
176, 232) }
```

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