

Converting Colors

Yxy(52.4161, 0.2989, 0.2818)

Have a look what the booklet for
Yxy(52.4161, 0.2989, 0.2818)
contains.

Yxy(52.5002, 0.2988, 0.2827)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.5002, 0.2988, 0.2827)

Conversions

Conversions Part 1

Format	Color
Hex	CCB8E0
RGB	204, 184, 224
RGB Percent	80%, 72%, 88%
CMY	0.2001, 0.2784, 0.1216
CMYK	0.09, 0.18, 0.00, 0.12
HSL	270°, 39%, 80%
HSV	270°, 18%, 88%
XYZ	55.4901, 52.5002, 77.7196
YIQ	194.5400, -0.9200, 16.6800

Conversions

Conversions Part 2

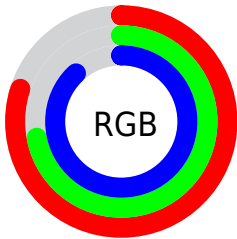
Format	Color
RYB	204, 184, 224
Decimal	13416672
CIELab	77.58, 14.53, -17.40
CIELCh	78, 22.668, 309.875
Yxy	52.5002, 0.2988, 0.2827
Android (android.graphics.Color)	4291606752 (0xFFCCB8E0)
YUV	194.5400, 14.5238, 8.2964
Hunter-Lab	72.4570, 9.9018, -12.8763

Details

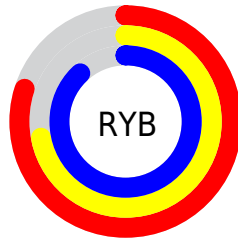
The Yxy color $52.5002, 0.2988, 0.2827$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $69.6064, 0.3247, 0.3754$, and the grayscale version is $54.1975, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.8002, 0.3134, 0.3146$, and $25.5812, 0.2949, 0.2709$ is the 20% darker color. If you saturate the color by 10%, you get $42.3932, 0.2892, 0.2542$, and if you desaturate by 10%, it is $64.1990, 0.3071, 0.3095$.

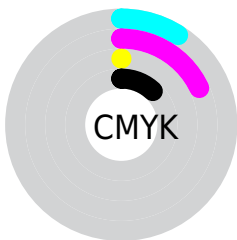
Distribution



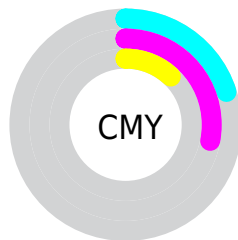
- Red (80%)
- Green (72%)
- Blue (88%)



- Red (80%)
- Yellow (72%)
- Blue (88%)



- Cyan (9%)
- Magenta (18%)
- Yellow (0%)
- Black (12%)



- Cyan (20%)
- Magenta (28%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5002, 0.2988, 0.2827 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 52.5002, 0.2988, 0.2827 by changing the saturation by 10% instead.

■ 52.5002, 0.2988,
0.2827

■ 52.5002, 0.2988,
0.2827

■ 396.3646, 0.3058,
0.3047

■ 37.4039, 0.2970,
0.2776

■ 93.8685, 0.3014,
0.2904

■ 25.5204, 0.2948,
0.2711

■ 120.9093, 0.3023,
0.2934

■ 16.4652, 0.2918,
0.2629

■ 152.7005, 0.3031,
0.2960

■ 9.8539, 0.2876,
0.2520

■ 189.6263, 0.3038,
0.2982

■ 5.3022, 0.2815,
0.2368

■ 232.0713, 0.3044,
0.3001

■ 2.4257, 0.2717,
0.2145

■ 280.4197, 0.3050,

■ 0.8390, 0.2540,

0.3018

0.1788

335.0560, 0.3054,
0.3033

0.0000, 0.0976,
0.0000

0.0000, 0.0000,
0.0000

52.5002, 0.2988,
0.2827

52.5002, 0.2988,
0.2827

42.3932, 0.2892,
0.2542

64.1990, 0.3071,
0.3095

33.7999, 0.2784,
0.2245

77.5499, 0.3141,
0.3341

26.6452, 0.2664,
0.1947

92.6182, 0.3201,
0.3565

20.8451, 0.2535,
0.1661

97.0094, 0.3270,
0.3595

■ 16.3062, 0.2402,
0.1400

■ 98.1611, 0.3310,
0.3592

■ 12.9231, 0.2270,
0.1181

■ 10.5718, 0.2145,
0.1013

■ 9.0815, 0.2033,
0.0901

■ 8.8164, 0.2010,
0.0881

Harmonies

Analogous

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



52.5002, 0.2729, 0.2790



52.5002, 0.2988, 0.2827



52.5002, 0.3297, 0.2973

Triad

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



52.5002, 0.2988, 0.2827



52.5002, 0.3702, 0.3678



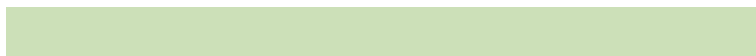
52.5002, 0.2697, 0.3366

Complementary

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



52.5002, 0.2988, 0.2827



69.6064, 0.3247, 0.3754

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.



52.5002, 0.2942, 0.3641



52.5002, 0.2988, 0.2827



52.5002, 0.3524, 0.3817

Square

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



52.5002, 0.2988, 0.2827



52.5002, 0.3721, 0.3449



52.5002, 0.3244, 0.3810



52.5002, 0.2568, 0.3083

Rectangle

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



52.5002, 0.2988, 0.2827



52.5002, 0.3489, 0.3116



52.5002, 0.3244, 0.3810



52.5002, 0.2768, 0.3464

Sweetspot

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



52.5024, 0.2988, 0.2827



90.9426, 0.3092, 0.3166



59.0769, 0.2847, 0.3060



19.2028, 0.3087, 0.3148



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.



52.5024, 0.2988, 0.2827



65.7288, 0.2958, 0.2734



55.4073, 0.3142, 0.2848



13.5778, 0.3058, 0.3053



5.2008, 0.2025, 0.0889



0.4137, 0.2193, 0.0982

Inverse Universe

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



54.4933, 0.3305, 0.3064



68.8592, 0.3345, 0.3020



67.0402, 0.3109, 0.3773



13.8144, 0.3214, 0.3173



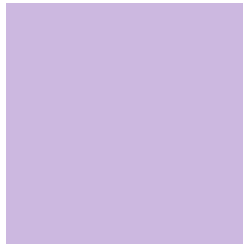
9.9302, 0.4949, 0.2500



0.7064, 0.4609, 0.2313

Previews

White Background



This preview shows how the Yxy color 52.5002, 0.2988, 0.2827 looks on a white background.

Color Contrast Check

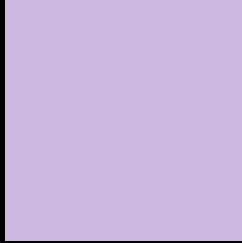
Large Text (above 18pt) WCAG AA × Fail

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 52.5002, 0.2988, 0.2827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

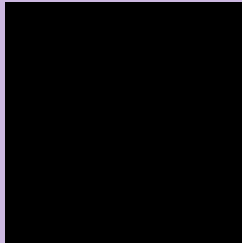
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5002, 0.2988, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 52.5002, 0.2988, 0.2827.



This preview shows how white text looks on a background with the Yxy color 52.5002, 0.2988, 0.2827.

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

52.5002, 0.2988, 0.2827

Protanopia

52.6187, 0.2812, 0.2835

Deuteranopia

52.4705, 0.2926, 0.2864



Tritanopia

52.6957, 0.3119, 0.3110

Trichromacy



Original Color

52.5002, 0.2988, 0.2827

Protanomaly

52.5889, 0.2868, 0.2828

Deuteranomaly

52.4513, 0.2949, 0.2855

Tritanomaly

52.8004, 0.3068, 0.3006

Monochromacy



Original Color

52.5002, 0.2988, 0.2827

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

53.7236, 0.3072, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5002, 0.2988, 0.2827 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(204, 184, 224)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 224)  
}
```

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(204, 184, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 224) }
```

Border

The CSS property to change the border of an element to Yxy 52.5002, 0.2988, 0.2827 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(204, 184, 224) }
```

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

```
.border{ border-color:rgb(204, 184, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 184, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 224);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5002, 0.2988, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 224) }
```

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

```
.background{ background-color: rgb(204,  
184, 224) }
```

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