

Converting Colors

$Y_{xy}(45.9829, 0.3113, 0.3028)$

Have a look what the booklet for
Yxy(45.9829, 0.3113, 0.3028)
contains.

Yxy(45.9829, 0.3113, 0.3028)	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(45.9829, 0.3113, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	C1AFC4
RGB	193, 175, 196
RGB Percent	76%, 69%, 77%
CMY	0.2434, 0.3136, 0.2314
CMYK	0.02, 0.11, 0.00, 0.23
HSL	291°, 15%, 73%
HSV	291°, 11%, 77%
XYZ	47.2737, 45.9829, 58.6024
YIQ	182.7760, 3.9870, 10.3470

Conversions

Conversions Part 2

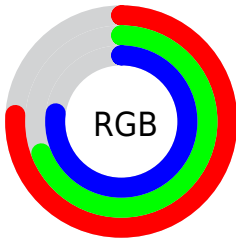
Format	Color
R_{YB}	193, 175, 196
Decimal	12693444
CIE Lab	73.53, 10.23, -8.32
CIE LCh	74, 13.183, 320.892
Yxy	45.9829, 0.3113, 0.3028
Android (android.graphics.Color)	4290883524 (0xFFC1AFC4)
YUV	182.7760, 6.5194, 8.9664
Hunter-Lab	67.8107, 5.7712, -3.7713

Details

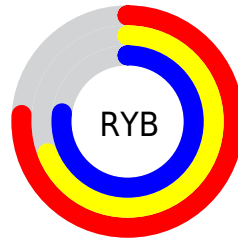
The Yxy color $45.9829, 0.3113, 0.3028$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $52.0459, 0.3139, 0.3562$, and the grayscale version is $47.1841, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.5677, 0.3117, 0.3075$, and $21.6079, 0.3107, 0.2968$ is the 20% darker color. If you saturate the color by 10%, you get $38.5289, 0.3096, 0.2773$, and if you desaturate by 10%, it is $54.5554, 0.3126, 0.3273$.

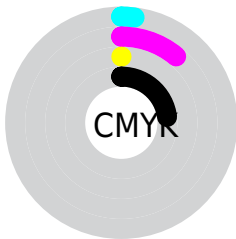
Distribution



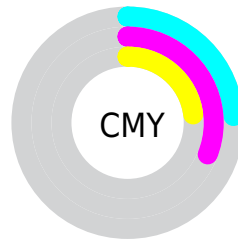
- Red (76%)
- Green (69%)
- Blue (77%)



- Red (76%)
- Yellow (69%)
- Blue (77%)



- Cyan (2%)
- Magenta (11%)
- Yellow (0%)
- Black (23%)




- Cyan (24%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9829, 0.3113, 0.3028 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 45.9829, 0.3113, 0.3028 by changing the saturation by 10% instead.


 45.9829, 0.3113,
0.3028

 45.9829, 0.3113,
0.3028


370.7399, 0.3121,
0.3157

 32.2323, 0.3111,
0.2996


 84.1934, 0.3116,
0.3074

 21.5390, 0.3107,
0.2956


109.4221, 0.3117,
0.3092

 13.5186, 0.3103,
0.2903

139.2457, 0.3118,
0.3107

 7.7866, 0.3096,
0.2831

174.0485, 0.3119,
0.3120

 3.9587, 0.3085,
0.2725

214.2149, 0.3120,
0.3131

 1.6505, 0.3063,
0.2556

260.1294, 0.3120,

 0.3913, 0.3076,

0.3141

0.1936

312.1762, 0.3121,
0.3149

0.0000, 0.0000,
0.0000

45.9829, 0.3113,
0.3028

45.9829, 0.3113,
0.3028

38.5289, 0.3096,
0.2773

54.5554, 0.3126,
0.3273

32.1399, 0.3075,
0.2515

64.2852, 0.3136,
0.3505

26.7669, 0.3050,
0.2262

75.2164, 0.3144,
0.3721

22.3549, 0.3021,
0.2023

87.3890, 0.3149,
0.3919

18.8433, 0.2988,
0.1808

88.7989, 0.3166,
0.3931

■ 16.1649, 0.2953,
0.1628

■ 89.2139, 0.3183,
0.3927

■ 14.2428, 0.2916,
0.1489

■ 89.6363, 0.3202,
0.3924

■ 12.9859, 0.2878,
0.1395

■ 90.0661, 0.3220,
0.3920

■ 12.2528, 0.2843,
0.1340

■ 90.5036, 0.3238,
0.3917

Harmonies

Analogous

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



45.9829, 0.2937, 0.2979



45.9829, 0.3113, 0.3028



45.9829, 0.3298, 0.3141

Triad

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



45.9829, 0.3113, 0.3028



45.9829, 0.3448, 0.3569



45.9829, 0.2824, 0.3275

Complementary

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



45.9829, 0.3113, 0.3028



52.0459, 0.3139, 0.3562

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.



45.9829, 0.2954, 0.3445



45.9829, 0.3113, 0.3028



45.9829, 0.3314, 0.3617

Square

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



45.9829, 0.3113, 0.3028



45.9829, 0.3494, 0.3449



45.9829, 0.3133, 0.3573



45.9829, 0.2773, 0.3115

Rectangle

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



45.9829, 0.3113, 0.3028



45.9829, 0.3400, 0.3240



45.9829, 0.3133, 0.3573



45.9829, 0.2860, 0.3333

Sweetspot

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



45.9849, 0.3113, 0.3028



95.0053, 0.3124, 0.3217



45.0109, 0.2962, 0.3057



20.0564, 0.3122, 0.3197



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.



45.9849, 0.3113, 0.3028



79.7397, 0.3109, 0.2965



46.0637, 0.3200, 0.3120



10.1709, 0.3115, 0.3061



7.9028, 0.2848, 0.1343



0.3622, 0.2933, 0.1390

Inverse Universe

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



45.6220, 0.3289, 0.3252



78.9509, 0.3332, 0.3242



51.9851, 0.3061, 0.3467



10.1012, 0.3267, 0.3257



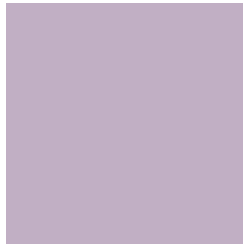
7.6041, 0.6184, 0.3180



0.3364, 0.5659, 0.2891

Previews

White Background



This preview shows how the Yxy color 45.9829, 0.3113, 0.3028 looks on a white background.

Color Contrast Check

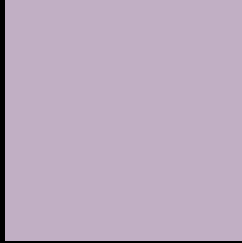
Large Text (above 18pt) WCAG AA × Fail

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 45.9829, 0.3113, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

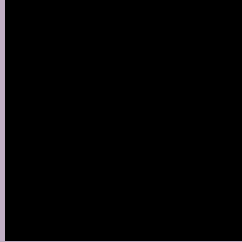
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9829, 0.3113, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 45.9829, 0.3113, 0.3028.



This preview shows how white text looks on a background with the Yxy color 45.9829, 0.3113, 0.3028.

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

45.9829, 0.3113, 0.3028

Protanopia

45.9474, 0.2972, 0.3033

Deuteranopia

46.1126, 0.3096, 0.3039



Tritanopia

45.9748, 0.3153, 0.3113

Trichromacy



Original Color

45.9829, 0.3113, 0.3028

Protanomaly

46.1084, 0.3021, 0.3036

Deuteranomaly

46.2427, 0.3104, 0.3040

Tritanomaly

46.0629, 0.3137, 0.3089

Monochromacy



Original Color

45.9829, 0.3113, 0.3028

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.8382, 0.3123, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9829, 0.3113, 0.3028 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(193, 175, 196)` looks like.

```
.text, #text, p{  
    color:rgb(193, 175, 196)  
}
```

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(193, 175, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 175, 196) }
```

Border

The CSS property to change the border of an element to Yxy 45.9829, 0.3113, 0.3028 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(193, 175, 196) }
```

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

```
.border{ border-color:rgb(193, 175, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 175, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 175, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 175, 196);  
box-shadow:4px 4px 4px 4px rgb(193, 175,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9829, 0.3113, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 175, 196) }
```

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

```
.background{ background-color: rgb(193,  
175, 196) }
```

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