

Converting Colors

$Y_{xy}(49.9712, 0.2888, 0.2626)$

Have a look what the booklet for
Yxy(49.9712, 0.2888, 0.2626)
contains.

Yxy(49.8599, 0.2885, 0.2624)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.8599, 0.2885, 0.2624)

Conversions

Conversions Part 1

Format	Color
Hex	C9B1EB
RGB	201, 177, 235
RGB Percent	79%, 69%, 92%
CMY	0.2115, 0.3060, 0.0784
CMYK	0.14, 0.25, 0.00, 0.08
HSL	265°, 59%, 81%
HSV	265°, 25%, 92%
XYZ	54.8193, 49.8599, 85.3357
YIQ	190.7880, -4.3140, 23.1260

Conversions

Conversions Part 2

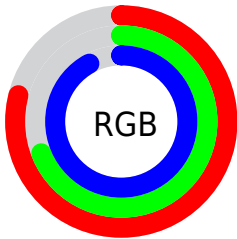
Format	Color
R _Y B	201, 177, 235
Decimal	13218283
CIE Lab	75.98, 19.72, -25.81
CIE LCh	76, 32.478, 307.387
Yxy	49.8599, 0.2885, 0.2624
Android (android.graphics.Color)	4291408363 (0xFFC9B1EB)
YUV	190.7880, 21.7965, 8.9559
Hunter-Lab	70.6115, 15.0083, -22.2252

Details

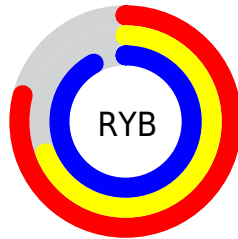
The Yxy color $49.8599, 0.2885, 0.2624$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $76.4298, 0.3326, 0.3943$, and the grayscale version is $51.8497, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7578, 0.3137, 0.3078$, and $23.7810, 0.2810, 0.2457$ is the 20% darker color. If you saturate the color by 10%, you get $39.5442, 0.2762, 0.2321$, and if you desaturate by 10%, it is $61.9487, 0.2994, 0.2910$.

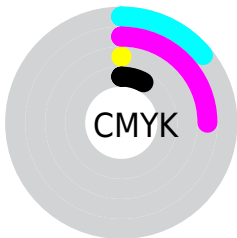
Distribution



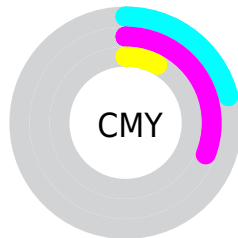
- Red (79%)
- Green (69%)
- Blue (92%)



- Red (79%)
- Yellow (69%)
- Blue (92%)



- Cyan (14%)
- Magenta (25%)
- Yellow (0%)
- Black (8%)





- Cyan (21%)
- Magenta (31%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8599, 0.2885, 0.2624 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 49.8599, 0.2885, 0.2624 by changing the saturation by 10% instead.

 49.8599, 0.2885,
0.2624

 49.8599, 0.2885,
0.2624


386.1178, 0.3008,
0.2938

 35.3021, 0.2854,
0.2551


 89.9673, 0.2930,
0.2734

 23.8957, 0.2815,
0.2462


116.2856, 0.2947,
0.2776

 15.2562, 0.2762,
0.2347


147.2929, 0.2961,
0.2812

 8.9994, 0.2690,
0.2198

183.3736, 0.2973,
0.2844

 4.7408, 0.2585,
0.1994

224.9120, 0.2984,
0.2872

 2.0960, 0.2421,
0.1705

272.2926, 0.2993,

 0.6624, 0.2143,

0.2896

0.1245

325.8997, 0.3001,
0.2918

0.0000, 0.0412,
0.0000

0.0000, 0.0000,
0.0000

49.8599, 0.2885,
0.2624

49.8599, 0.2885,
0.2624

39.5442, 0.2762,
0.2321

61.9487, 0.2994,
0.2910

30.9089, 0.2625,
0.2011

75.8847, 0.3088,
0.3174

23.8625, 0.2478,
0.1706

91.7453, 0.3168,
0.3414

18.3014, 0.2326,
0.1421

98.7785, 0.3244,
0.3483

■ 14.1098, 0.2176,
0.1174

■ 11.1533, 0.2036,
0.0979

■ 9.2684, 0.1913,
0.0846

■ 8.5714, 0.1855,
0.0795

Harmonies

Analogous

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



49.8599, 0.2530, 0.2579



49.8599, 0.2885, 0.2624



49.8599, 0.3332, 0.2817

Triad

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



49.8599, 0.2885, 0.2624



49.8599, 0.3976, 0.3811



49.8599, 0.2529, 0.3431

Complementary

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



49.8599, 0.2885, 0.2624



76.4298, 0.3326, 0.3943

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.



49.8599, 0.2885, 0.3843



49.8599, 0.2885, 0.2624



49.8599, 0.3725, 0.4046

Square

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



49.8599, 0.2885, 0.2624



49.8599, 0.3988, 0.3473



49.8599, 0.3323, 0.4074



49.8599, 0.2336, 0.3008

Rectangle

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



49.8599, 0.2885, 0.2624



49.8599, 0.3621, 0.3009



49.8599, 0.3323, 0.4074



49.8599, 0.2633, 0.3579

Sweetspot

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



49.8620, 0.2885, 0.2624



87.2089, 0.3067, 0.3115



62.3279, 0.2740, 0.3017



18.4417, 0.3062, 0.3099



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.



49.8620, 0.2885, 0.2624



53.0003, 0.2820, 0.2461



54.1261, 0.3109, 0.2667



14.8544, 0.3045, 0.3051



4.8410, 0.1871, 0.0804



0.4354, 0.2026, 0.0890

Inverse Universe

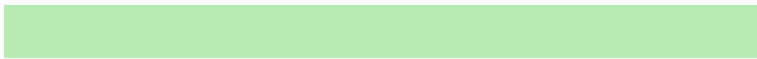
The Inverse Universe completely reimagines the original color for something new.



53.7981, 0.3351, 0.2920



58.6407, 0.3414, 0.2835



72.6342, 0.3132, 0.3983



15.2018, 0.3201, 0.3153



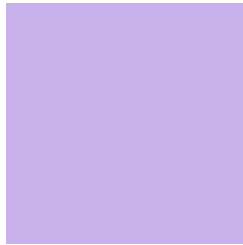
10.8679, 0.4600, 0.2308



0.8725, 0.4355, 0.2173

Previews

White Background



This preview shows how the Yxy color 49.8599, 0.2885, 0.2624 looks on a white background.

Color Contrast Check

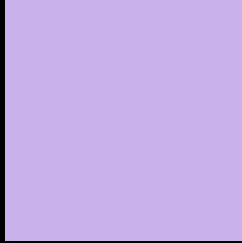
Large Text (above 18pt) WCAG AA × Fail

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 49.8599, 0.2885, 0.2624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

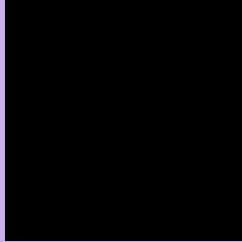
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8599, 0.2885, 0.2624

Background



This preview shows how black text looks on a background with the Yxy color 49.8599, 0.2885, 0.2624.



This preview shows how white text looks on a background with the Yxy color 49.8599, 0.2885, 0.2624.

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

49.8599, 0.2885, 0.2624

Protanopia

49.9330, 0.2648, 0.2620

Deuteranopia

50.1666, 0.2753, 0.2693



Tritanopia

49.9603, 0.3110, 0.3118

Trichromacy



Original Color

49.8599, 0.2885, 0.2624

Protanomaly

49.7552, 0.2726, 0.2617

Deuteranomaly

49.8071, 0.2802, 0.2665

Tritanomaly

49.6212, 0.3028, 0.2929

Monochromacy



Original Color

49.8599, 0.2885, 0.2624

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.2249, 0.3041, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8599, 0.2885, 0.2624 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(201, 177, 235)` looks like.

```
.text, #text, p{  
    color:rgb(201, 177, 235)  
}
```

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(201, 177, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 177, 235) }
```

Border

The CSS property to change the border of an element to Yxy 49.8599, 0.2885, 0.2624 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(201, 177, 235) }
```

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

```
.border{ border-color:rgb(201, 177, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 177, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 177, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 177, 235);  
box-shadow:4px 4px 4px 4px rgb(201, 177,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8599, 0.2885, 0.2624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 177, 235) }
```

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

```
.background{ background-color: rgb(201,  
177, 235) }
```

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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