

Converting Colors

$Y_{xy}(49.9351, 0.2965, 0.2708)$

Have a look what the booklet for
Yxy(49.9351, 0.2965, 0.2708)
contains.

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Color

Yxy(49.8277, 0.2966, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	CCB1E3
RGB	204, 177, 227
RGB Percent	80%, 69%, 89%
CMY	0.1999, 0.3059, 0.1099
CMYK	0.10, 0.22, 0.00, 0.11
HSL	272°, 47%, 79%
HSV	272°, 22%, 89%
XYZ	54.4945, 49.8277, 79.4083
YIQ	190.7730, 0.0420, 21.2740

Conversions

Conversions Part 2

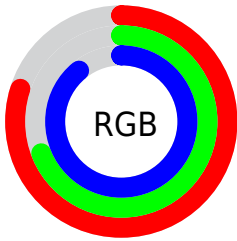
Format	Color
RYB	204, 177, 227
Decimal	13414883
CIELab	75.96, 18.98, -21.47
CIELCh	76, 28.656, 311.484
Yxy	49.8277, 0.2966, 0.2712
Android (android.graphics.Color)	4291604963 (0xFFCCB1E3)
YUV	190.7730, 17.8599, 11.6001
Hunter-Lab	70.5887, 14.2716, -17.2858

Details

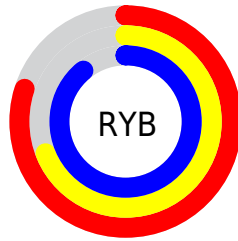
The Yxy color $49.8277, 0.2966, 0.2712$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $70.3769, 0.3260, 0.3875$, and the grayscale version is $51.8596, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7578, 0.3137, 0.3078$, and $23.7834, 0.2908, 0.2557$ is the 20% darker color. If you saturate the color by 10%, you get $40.1727, 0.2874, 0.2424$, and if you desaturate by 10%, it is $61.0767, 0.3046, 0.2986$.

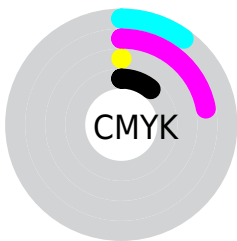
Distribution



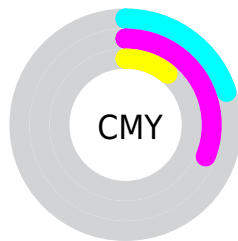
- Red (80%)
- Green (69%)
- Blue (89%)



- Red (80%)
- Yellow (69%)
- Blue (89%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)




- Cyan (20%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8277, 0.2966, 0.2712 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 49.8277, 0.2966, 0.2712 by changing the saturation by 10% instead.

 49.8277, 0.2966,
0.2712

 49.8277, 0.2966,
0.2712


385.9918, 0.3049,
0.2986

 35.2765, 0.2945,
0.2648


 89.9195, 0.2997,
0.2808

 23.8760, 0.2917,
0.2569


116.2290, 0.3008,
0.2845

 15.2416, 0.2881,
0.2467


147.2266, 0.3017,
0.2877

 8.9891, 0.2830,
0.2333

183.2969, 0.3026,
0.2905

 4.7341, 0.2754,
0.2148

224.8241, 0.3033,
0.2929

 2.0921, 0.2631,
0.1879

272.1927, 0.3039,

 0.6602, 0.2416,

0.2950

0.1429

325.7872, 0.3044,
0.2969

0.0000, 0.0367,
0.0000

0.0000, 0.0000,
0.0000

49.8277, 0.2966,
0.2712

49.8277, 0.2966,
0.2712

40.1727, 0.2874,
0.2424

61.0767, 0.3046,
0.2986

32.0299, 0.2770,
0.2131

73.9840, 0.3115,
0.3241

25.3194, 0.2656,
0.1842

88.6178, 0.3172,
0.3475

19.9512, 0.2535,
0.1572

96.6073, 0.3232,
0.3567

■ 15.8250, 0.2411,
0.1334

■ 98.3253, 0.3292,
0.3562

■ 12.8252, 0.2290,
0.1142

■ 10.8139, 0.2176,
0.1003

■ 9.7401, 0.2093,
0.0927

Harmonies

Analogous

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



49.8277, 0.2633, 0.2654



49.8277, 0.2966, 0.2712



49.8277, 0.3364, 0.2901

Triad

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



49.8277, 0.2966, 0.2712



49.8277, 0.3858, 0.3792



49.8277, 0.2564, 0.3364

Complementary

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



49.8277, 0.2966, 0.2712



70.3769, 0.3260, 0.3875

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.



49.8277, 0.2866, 0.3731



49.8277, 0.2966, 0.2712



49.8277, 0.3616, 0.3973

Square

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



49.8277, 0.2966, 0.2712



49.8277, 0.3898, 0.3501



49.8277, 0.3250, 0.3962



49.8277, 0.2413, 0.3000

Rectangle

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



49.8277, 0.2966, 0.2712



49.8277, 0.3611, 0.3081



49.8277, 0.3250, 0.3962



49.8277, 0.2651, 0.3493

Sweetspot

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



49.8298, 0.2966, 0.2712



87.6140, 0.3082, 0.3115



56.3506, 0.2777, 0.2968



18.5355, 0.3078, 0.3100



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.



49.8298, 0.2966, 0.2712



59.4236, 0.2929, 0.2594



53.2245, 0.3166, 0.2761



14.2692, 0.3065, 0.3053



5.7514, 0.2108, 0.0935



0.4801, 0.2260, 0.1019

Inverse Universe

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



51.9384, 0.3374, 0.3031



62.6480, 0.3433, 0.2980



67.5184, 0.3088, 0.3883



14.4775, 0.3221, 0.3183



10.1326, 0.5127, 0.2598



0.7673, 0.4775, 0.2404

Previews

White Background



This preview shows how the Yxy color 49.8277, 0.2966, 0.2712 looks on a white background.

Color Contrast Check

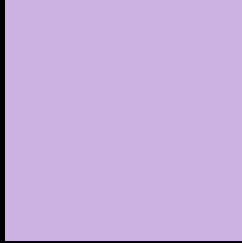
Large Text (above 18pt) WCAG AA × Fail

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 49.8277, 0.2966, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

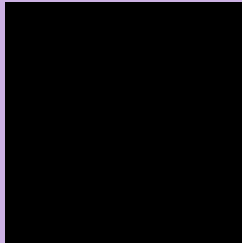
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8277, 0.2966, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 49.8277, 0.2966, 0.2712.



This preview shows how white text looks on a background with the Yxy color 49.8277, 0.2966, 0.2712.

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

49.8277, 0.2966, 0.2712

Protanopia

49.8112, 0.2718, 0.2709

Deuteranopia

49.9228, 0.2842, 0.2774



Tritanopia

49.6292, 0.3153, 0.3107

Trichromacy



Original Color

49.8277, 0.2966, 0.2712

Protanomaly

49.6645, 0.2800, 0.2706

Deuteranomaly

49.8762, 0.2887, 0.2756

Tritanomaly

49.6141, 0.3084, 0.2954

Monochromacy



Original Color

49.8277, 0.2966, 0.2712

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.2132, 0.3072, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8277, 0.2966, 0.2712 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, 177, 227)` looks like.

```
.text, #text, p{  
    color:rgb(204, 177, 227)  
}
```

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, 177, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 177, 227) }
```

Border

The CSS property to change the border of an element to Yxy 49.8277, 0.2966, 0.2712 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, 177, 227) }
```

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

```
.border{ border-color:rgb(204, 177, 227) }
```

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

Here you see how a box with a 4 pixel rgb(204, 177, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 177, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 177, 227);  
box-shadow:4px 4px 4px 4px rgb(204, 177,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8277, 0.2966, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 177, 227) }
```

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

```
.background{ background-color: rgb(204,  
177, 227) }
```

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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