

Converting Colors

$Y_{xy}(33.0636, 0.2926, 0.1959)$

Have a look what the booklet for
Yxy(33.0636, 0.2926, 0.1959)
contains.

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Color

Yxy(33.0109, 0.2923, 0.1959)

Conversions

Conversions Part 1

Format	Color
Hex	D475F0
RGB	212, 117, 240
RGB Percent	83%, 46%, 94%
CMY	0.1684, 0.5413, 0.0587
CMYK	0.12, 0.51, 0.00, 0.06
HSL	286°, 80%, 70%
HSV	286°, 51%, 94%
XYZ	49.2552, 33.0109, 86.2429
YIQ	159.4270, 17.1370, 58.3930

Conversions

Conversions Part 2

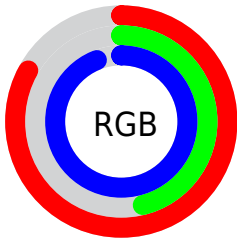
Format	Color
R _Y B	212, 117, 240
Decimal	13923824
CIE Lab	64.17, 56.05, -46.82
CIE LCh	64, 73.038, 320.126
Yxy	33.0109, 0.2923, 0.1959
Android (android.graphics.Color)	4292113904 (0xFFD475F0)
YUV	159.4270, 39.7225, 46.1065
Hunter-Lab	57.4551, 52.4782, -48.7785

Details

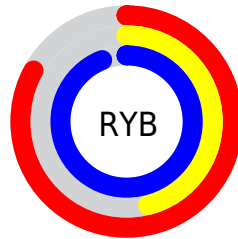
The Yxy color **33.0109, 0.2923, 0.1959** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **69.6418, 0.3208, 0.4852**, and the grayscale version is **34.6840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **13.9425, 0.2838, 0.1659** is the 20% darker color. If you saturate the color by 10%, you get **27.3218, 0.2866, 0.1730**, and if you desaturate by 10%, it is **40.1638, 0.2975, 0.2212**.

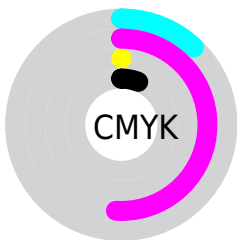
Distribution



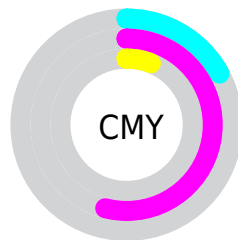
- Red (83%)
- Green (46%)
- Blue (94%)



- Red (83%)
- Yellow (46%)
- Blue (94%)



- Cyan (12%)
- Magenta (51%)
- Yellow (0%)
- Black (6%)





- Cyan (17%)
- Magenta (54%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0109, 0.2923, 0.1959 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 33.0109, 0.2923, 0.1959 by changing the saturation by 10% instead.

 33.0109, 0.2923,
0.1959


 33.0109, 0.2923,
0.1959


315.6988, 0.3053,
0.2575


 22.1348, 0.2884,
0.1822


 64.3925, 0.2975,
0.2171

 13.9560, 0.2831,
0.1656


 85.6669, 0.2994,
0.2254

 8.0901, 0.2756,
0.1452


 111.1761, 0.3008,
0.2326

 4.1526, 0.2646,
0.1200

141.3045, 0.3021,
0.2388

 1.7593, 0.2475,
0.0888

176.4366, 0.3031,
0.2443

 0.4616, 0.2206,
0.0458

216.9568, 0.3039,


 0.0000, 0.1722,


0.2492


0.0000


263.2494, 0.3046,
0.2536


 0.0000, 0.0000,
0.0000

 33.0109, 0.2923,
0.1959


 33.0109, 0.2923,
0.1959


 27.3218, 0.2866,
0.1730


 40.1638, 0.2975,
0.2212


 22.9801, 0.2805,
0.1536


 48.8767, 0.3022,
0.2478


 19.8585, 0.2743,
0.1384


 59.2424, 0.3062,
0.2746

 17.8025, 0.2682,
0.1280


 71.3452, 0.3096,
0.3009

 16.6636, 0.2630,
0.1222

 85.2635, 0.3124,
0.3259

 97.1905, 0.3150,
0.3437

 98.1859, 0.3184,
0.3435

 99.0735, 0.3214,
0.3434

Harmonies

Analogous

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



33.0109, 0.2016, 0.1718



33.0109, 0.2923, 0.1959



33.0109, 0.4100, 0.2446

Triad

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



33.0109, 0.2923, 0.1959



33.0109, 0.4857, 0.4592



33.0109, 0.1489, 0.3043

Complementary

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



33.0109, 0.2923, 0.1959



69.6418, 0.3208, 0.4852

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.



33.0109, 0.2060, 0.4366



33.0109, 0.2923, 0.1959



33.0109, 0.3995, 0.5271

Square

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



33.0109, 0.2923, 0.1959



33.0109, 0.5311, 0.3816



33.0109, 0.2983, 0.5337



33.0109, 0.1324, 0.2156

Rectangle

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



33.0109, 0.2923, 0.1959



33.0109, 0.4804, 0.2867



33.0109, 0.2983, 0.5337



33.0109, 0.1631, 0.3456

Sweetspot

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



33.0123, 0.2923, 0.1959



76.3642, 0.3084, 0.2911



30.5330, 0.2213, 0.2030



15.7152, 0.3077, 0.2855



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.



33.0123, 0.2923, 0.1959



30.8178, 0.2860, 0.1710



35.7622, 0.3512, 0.2343



15.8396, 0.3101, 0.3055



9.1810, 0.2640, 0.1228



0.8075, 0.2718, 0.1271

Inverse Universe

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



33.2894, 0.4256, 0.2988



31.4804, 0.4656, 0.2948



68.3172, 0.2895, 0.4496



15.8177, 0.3257, 0.3237



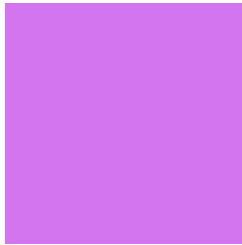
10.3064, 0.5997, 0.3077



0.8721, 0.5634, 0.2878

Previews

White Background



This preview shows how the Yxy color 33.0109, 0.2923, 0.1959 looks on a white background.

Color Contrast Check

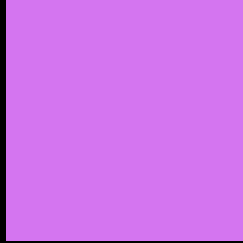
Large Text (above 18pt) WCAG AA × Fail

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 33.0109, 0.2923, 0.1959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

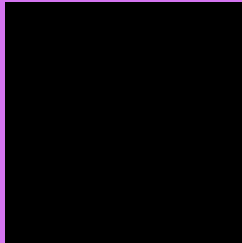
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0109, 0.2923, 0.1959

Background



This preview shows how black text looks on a background with the Yxy color 33.0109, 0.2923, 0.1959.

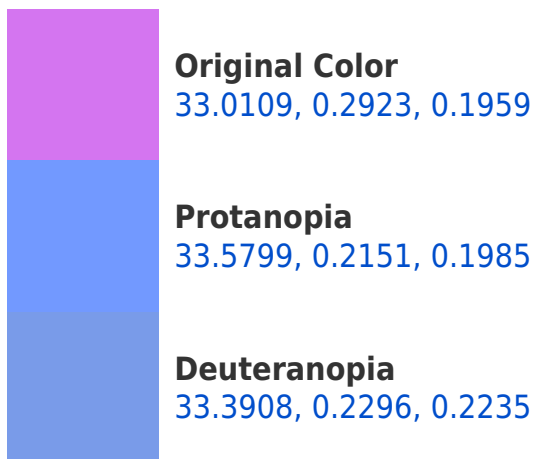


This preview shows how white text looks on a background with the Yxy color 33.0109, 0.2923, 0.1959.

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





Tritanopia

32.8094, 0.3672, 0.3147

Trichromacy



Original Color

33.0109, 0.2923, 0.1959



Protanomaly

32.1423, 0.2363, 0.1937



Deuteranomaly

31.9759, 0.2475, 0.2083



Tritanomaly

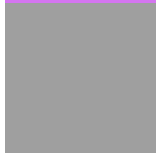
32.4889, 0.3381, 0.2643

Monochromacy



Original Color

33.0109, 0.2923, 0.1959



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.0423, 0.3056, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0109, 0.2923, 0.1959 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(212, 117, 240)` looks like.

```
.text, #text, p{  
    color:rgb(212, 117, 240)  
}
```

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(212, 117, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 117, 240) }
```

Border

The CSS property to change the border of an element to Yxy 33.0109, 0.2923, 0.1959 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(212, 117, 240) }
```

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

```
.border{ border-color:rgb(212, 117, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 117, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 117, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 117, 240);  
box-shadow:4px 4px 4px 4px rgb(212, 117,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0109, 0.2923, 0.1959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 117, 240) }
```

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

```
.background{ background-color: rgb(212,  
117, 240) }
```

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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