

Converting Colors

$Y_{xy}(23.9124, 0.3050, 0.1865)$

Have a look what the booklet for
Yxy(23.9124, 0.3050, 0.1865)
contains.

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Color

Yxy(24.0629, 0.3050, 0.1867)

Conversions

Conversions Part 1

Format	Color
Hex	C858D5
RGB	200, 88, 213
RGB Percent	78%, 35%, 84%
CMY	0.2158, 0.6547, 0.1648
CMYK	0.06, 0.59, 0.00, 0.16
HSL	294°, 60%, 59%
HSV	294°, 59%, 84%
XYZ	39.3100, 24.0629, 65.5124
YIQ	135.7380, 26.6270, 62.6190

Conversions

Conversions Part 2

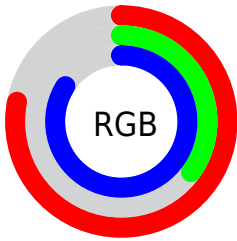
Format	Color
R _{YB}	200, 88, 213
Decimal	13129941
CIE Lab	56.15, 61.53, -44.45
CIE LCh	56, 75.906, 324.159
Yxy	24.0629, 0.3050, 0.1867
Android (android.graphics.Color)	4291320021 (0xFFC858D5)
YUV	135.7380, 38.0902, 56.3578
Hunter-Lab	49.0539, 57.1990, -44.8451

Details

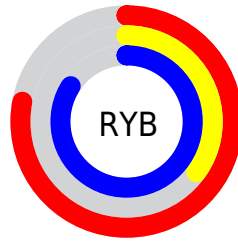
The Yxy color **24.0629, 0.3050, 0.1867** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **51.0560, 0.3110, 0.5134**, and the grayscale version is **24.3696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **9.0921, 0.2975, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **20.7581, 0.3027, 0.1688**, and if you desaturate by 10%, it is **28.3955, 0.3070, 0.2080**.

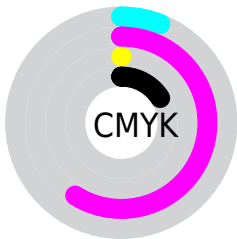
Distribution



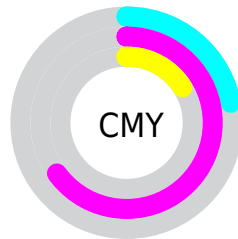
- Red (78%)
- Green (35%)
- Blue (84%)



- Red (78%)
- Yellow (35%)
- Blue (84%)



- Cyan (6%)
- Magenta (59%)
- Yellow (0%)
- Black (16%)



- Cyan (22%)
- Magenta (65%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0629, 0.3050, 0.1867 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 24.0629, 0.3050, 0.1867 by changing the saturation by 10% instead.


 24.0629, 0.3050,
0.1867


 24.0629, 0.3050,
0.1867


273.1383, 0.3124,
0.2551


 15.3803, 0.3021,
0.1709


 50.1328, 0.3085,
0.2107

 9.0867, 0.2977,
0.1516


 68.2889, 0.3096,
0.2200

 4.7978, 0.2909,
0.1276


 90.3716, 0.3104,
0.2279

 2.1291, 0.2797,
0.0977

 116.7654, 0.3110,
0.2348

 0.6809, 0.2604,
0.0602

147.8545, 0.3115,
0.2409

 0.0000, 0.2279,
0.0000

184.0235, 0.3118,


 0.0000, 0.0287,


0.2462


0.0000


225.6566, 0.3121,
0.2509

 0.0000, 0.0000,
0.0000


 24.0629, 0.3050,
0.1867


 24.0629, 0.3050,
0.1867


 20.7581, 0.3027,
0.1688


 28.3955, 0.3070,
0.2080


 18.3862, 0.3002,
0.1550


 33.8334, 0.3088,
0.2317


 16.8401, 0.2976,
0.1456

 40.4505, 0.3102,
0.2569

 15.9525, 0.2949,
0.1402

 48.3132, 0.3113,
0.2825

 15.8521, 0.2946,
0.1396

 57.4830, 0.3122,
0.3078

■ 68.0175, 0.3128,
0.3322

■ 79.9705, 0.3132,
0.3552

■ 91.1856, 0.3136,
0.3733

■ 91.5295, 0.3149,
0.3731

Harmonies

Analogous

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



24.0629, 0.1985, 0.1569



24.0629, 0.3050, 0.1867



24.0629, 0.4419, 0.2422

Triad

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



24.0629, 0.3050, 0.1867



24.0629, 0.4897, 0.4787



24.0629, 0.1250, 0.2800

Complementary

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



24.0629, 0.3050, 0.1867



51.0560, 0.3110, 0.5134

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.



24.0629, 0.1786, 0.4327



24.0629, 0.3050, 0.1867



24.0629, 0.3877, 0.5593

Square

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



24.0629, 0.3050, 0.1867



24.0629, 0.5544, 0.3907



24.0629, 0.2757, 0.5619



24.0629, 0.1143, 0.1911

Rectangle

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



24.0629, 0.3050, 0.1867



24.0629, 0.5183, 0.2883



24.0629, 0.2757, 0.5619



24.0629, 0.1375, 0.3251

Sweetspot

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



24.0640, 0.3050, 0.1867



73.2340, 0.3114, 0.2837



16.5049, 0.2036, 0.1612



14.8828, 0.3111, 0.2762



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.



24.0640, 0.3050, 0.1867



30.3591, 0.3022, 0.1656



23.8500, 0.3779, 0.2389



12.5639, 0.3121, 0.3059



9.7112, 0.2950, 0.1398



0.6051, 0.2997, 0.1425

Inverse Universe

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



22.0709, 0.4742, 0.3145



27.3261, 0.5282, 0.3142



51.4329, 0.2800, 0.4465



12.4416, 0.3275, 0.3266



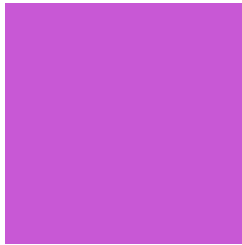
8.6841, 0.6270, 0.3228



0.5311, 0.5937, 0.3044

Previews

White Background



This preview shows how the Yxy color 24.0629, 0.3050, 0.1867 looks on a white background.

Color Contrast Check

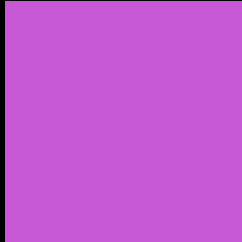
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0629, 0.3050, 0.1867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

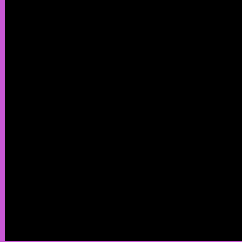
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0629, 0.3050, 0.1867

Background



This preview shows how black text looks on a background with the Yxy color 24.0629, 0.3050, 0.1867.



This preview shows how white text looks on a background with the Yxy color 24.0629, 0.3050, 0.1867.

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

24.0629, 0.3050, 0.1867

Protanopia

24.6265, 0.1902, 0.1651

Deuteranopia

24.2247, 0.2259, 0.2197



Tritanopia

23.9068, 0.3994, 0.3166

Trichromacy



Original Color

24.0629, 0.3050, 0.1867



Protanomaly

22.2164, 0.2144, 0.1648



Deuteranomaly

22.5950, 0.2479, 0.1996



Tritanomaly

23.4737, 0.3627, 0.2611

Monochromacy



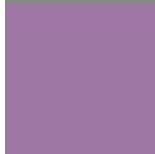
Original Color

24.0629, 0.3050, 0.1867



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.2449, 0.3101, 0.2612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0629, 0.3050, 0.1867 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(200, 88, 213)` looks like.

```
.text, #text, p{  
    color:rgb(200, 88, 213)  
}
```

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(200, 88, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 88, 213) }
```

Border

The CSS property to change the border of an element to Yxy 24.0629, 0.3050, 0.1867 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(200, 88, 213) }
```

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

```
.border{ border-color:rgb(200, 88, 213) }
```

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

Here you see how a box with a 4 pixel rgb(200, 88, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 88, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 88, 213);  
box-shadow:4px 4px 4px 4px rgb(200, 88,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0629, 0.3050, 0.1867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 88, 213) }
```

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

```
.background{ background-color: rgb(200, 88,  
213) }
```

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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