

Converting Colors

$Y_{xy}(24.1602, 0.4028, 0.2862)$

Have a look what the booklet for
Yxy(24.1602, 0.4028, 0.2862)
contains.

Yxy(24.1746, 0.4026, 0.2869)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.1746, 0.4026, 0.2869)

Conversions

Conversions Part 1

Format	Color
Hex	CB6788
RGB	203, 103, 136
RGB Percent	80%, 40%, 53%
CMY	0.2039, 0.5961, 0.4667
CMYK	0.00, 0.49, 0.33, 0.20
HSL	340°, 49%, 60%
HSV	340°, 49%, 80%
XYZ	33.9236, 24.1746, 26.1632
YIQ	136.6620, 49.0070, 31.4630

Conversions

Conversions Part 2

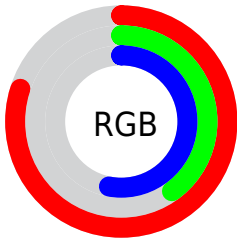
Format	Color
R_{YB}	203, 103, 136
Decimal	13330312
CIE _{Lab}	56.26, 43.20, 0.25
CIE _{LCh}	56, 43.196, 0.333
Yxy	24.1746, 0.4026, 0.2869
Android (android.graphics.Color)	4291520392 (0xFFCB6788)
YUV	136.6620, -0.3264, 58.1784
Hunter-Lab	49.1677, 37.1141, 2.8679

Details

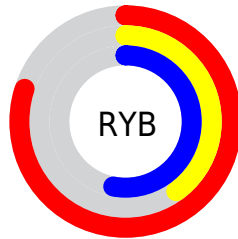
The Yxy color **24.1746, 0.4026, 0.2869** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **48.5038, 0.2666, 0.3780**, and the grayscale version is **24.8698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0481, 0.3767, 0.2957**, and **9.1505, 0.4372, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **20.2532, 0.4321, 0.2802**, and if you desaturate by 10%, it is **29.1278, 0.3772, 0.2951**.

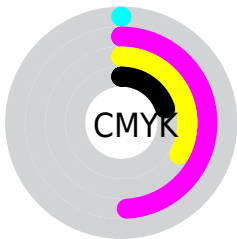
Distribution



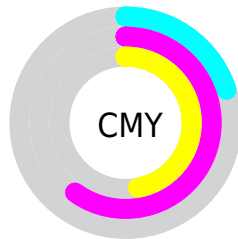
- Red (80%)
- Green (40%)
- Blue (53%)



- Red (80%)
- Yellow (40%)
- Blue (53%)



- Cyan (0%)
- Magenta (49%)
- Yellow (33%)
- Black (20%)




- Cyan (20%)
- Magenta (60%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1746, 0.4026, 0.2869 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 24.1746, 0.4026, 0.2869 by changing the saturation by 10% instead.


 24.1746, 0.4026,
0.2869


 24.1746, 0.4026,
0.2869


273.7020, 0.3529,
0.3102


 15.4632, 0.4168,
0.2802


 50.3150, 0.3833,
0.2960


 9.1451, 0.4362,
0.2711


 68.5127, 0.3764,
0.2992

 4.8360, 0.4641,
0.2579

 90.6414, 0.3708,
0.3018

 2.1513, 0.5078,
0.2373

 117.0853, 0.3660,
0.3041

 0.6933, 0.5888,
0.1992

148.2290, 0.3620,
0.3059

 0.0000, 1.0000,
0.0000

184.4567, 0.3586,

 0.0000, 0.0000,

0.3076

0.0000

226.1529, 0.3556,
0.3090

■ 24.1746, 0.4026,
0.2869

■ 24.1746, 0.4026,
0.2869

■ 20.2532, 0.4321,
0.2802

■ 29.1278, 0.3772,
0.2951

■ 17.2859, 0.4651,
0.2761

■ 35.1760, 0.3558,
0.3040

■ 15.1900, 0.5000,
0.2758


■ 42.3812, 0.3382,
0.3129

■ 13.8665, 0.5341,
0.2803


■ 50.8000, 0.3237,
0.3215

■ 13.1471, 0.5648,
0.2891

■ 60.4853, 0.3119,
0.3296

 13.1025, 0.5670,
0.2897

 71.4866, 0.3023,
0.3371

 83.8510, 0.2944,
0.3439

 90.8003, 0.2874,
0.3396

 91.4379, 0.2822,
0.3289

Harmonies

Analogous

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



24.1746, 0.3271, 0.2446



24.1746, 0.4026, 0.2869



24.1746, 0.4530, 0.3395

Triad

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



24.1746, 0.4026, 0.2869



24.1746, 0.3574, 0.4675



24.1746, 0.1843, 0.2400

Complementary

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



24.1746, 0.4026, 0.2869



48.5038, 0.2666, 0.3780

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.



24.1746, 0.1899, 0.2928



24.1746, 0.4026, 0.2869



24.1746, 0.2854, 0.4414

Square

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



24.1746, 0.4026, 0.2869



24.1746, 0.4211, 0.4441



24.1746, 0.2247, 0.3700



24.1746, 0.2066, 0.2168

Rectangle

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



24.1746, 0.4026, 0.2869



24.1746, 0.4617, 0.3767



24.1746, 0.2247, 0.3700



24.1746, 0.1830, 0.2542

Sweetspot

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



24.1758, 0.4026, 0.2869



76.4344, 0.3320, 0.3164



22.5229, 0.2824, 0.1979



15.7347, 0.3352, 0.3146



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.



24.1758, 0.4026, 0.2869



33.6102, 0.4338, 0.2799



27.0309, 0.4381, 0.3508



11.2737, 0.3239, 0.3214



8.3526, 0.5634, 0.2877



0.4449, 0.5076, 0.2570

Inverse Universe

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



24.1758, 0.4026, 0.2869



33.6102, 0.4338, 0.2799



42.4581, 0.2440, 0.3046



11.2737, 0.3239, 0.3214



8.3526, 0.5634, 0.2877



0.4449, 0.5076, 0.2570

Previews

White Background



This preview shows how the Yxy color 24.1746, 0.4026, 0.2869 looks on a white background.

Color Contrast Check

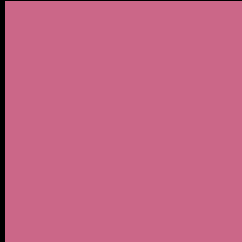
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1746, 0.4026, 0.2869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

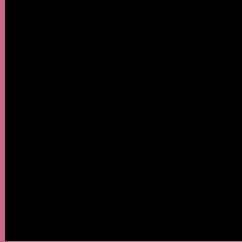
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1746, 0.4026, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 24.1746, 0.4026, 0.2869.



This preview shows how white text looks on a background with the Yxy color 24.1746, 0.4026, 0.2869.

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

24.1746, 0.4026, 0.2869

Protanopia

24.3223, 0.2896, 0.2940

Deuteranopia

24.3553, 0.3349, 0.3291



Tritanopia

24.1707, 0.4280, 0.3189

Trichromacy



Original Color

24.1746, 0.4026, 0.2869

Protanomaly

23.5731, 0.3264, 0.2901

Deuteranomaly

23.8032, 0.3583, 0.3108

Tritanomaly

24.2947, 0.4185, 0.3073

Monochromacy



Original Color

24.1746, 0.4026, 0.2869

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.0504, 0.3425, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1746, 0.4026, 0.2869 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(203, 103, 136)` looks like.

```
.text, #text, p{  
    color:rgb(203, 103, 136)  
}
```

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(203, 103, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 103, 136) }
```

Border

The CSS property to change the border of an element to Yxy 24.1746, 0.4026, 0.2869 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(203, 103, 136) }
```

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

```
.border{ border-color:rgb(203, 103, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 103, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 103, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 103, 136);  
box-shadow:4px 4px 4px 4px rgb(203, 103,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1746, 0.4026, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 103, 136) }
```

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

```
.background{ background-color: rgb(203,  
103, 136) }
```

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