

# Converting Colors

$Y_{xy}(24.0106, 0.4109, 0.2941)$

Have a look what the booklet for  
Yxy(24.0106, 0.4109, 0.2941)  
contains.

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**Color**

**Yxy(24.0087, 0.4111, 0.2946)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB6782
RGB	203, 103, 130
RGB Percent	80%, 40%, 51%
CMY	0.2040, 0.5960, 0.4902
CMYK	0.00, 0.49, 0.36, 0.20
HSL	344°, 49%, 60%
HSV	344°, 49%, 80%
XYZ	33.5030, 24.0087, 23.9843
YIQ	135.9780, 50.9330, 29.5970

# Conversions

## Conversions Part 2

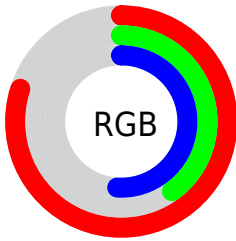
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	203, 103, 130
Decimal	13330306
CIELab	56.10, 42.44, 3.52
CIElCh	56, 42.583, 4.739
Yxy	24.0087, 0.4111, 0.2946
Android (android.graphics.Color)	4291520386 (0xFFCB6782)
YUV	135.9780, -2.9472, 58.7783
Hunter-Lab	48.9987, 36.3022, 5.2773

# Details

The Yxy color **24.0087, 0.4111, 0.2946** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **48.7209, 0.2632, 0.3687**, and the grayscale version is **24.6107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4558, 0.3830, 0.3009**, and **9.0727, 0.4487, 0.2803** is the 20% darker color. If you saturate the color by 10%, you get **20.0796, 0.4438, 0.2893**, and if you desaturate by 10%, it is **28.9776, 0.3830, 0.3013**.

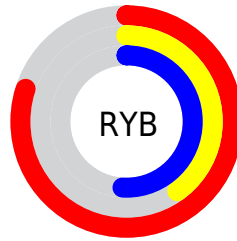
# Distribution



Red (80%)

Green (40%)

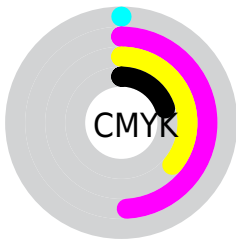
Blue (51%)



Red (80%)

Yellow (40%)

Blue (51%)

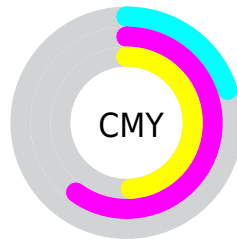


Cyan (0%)

Magenta (49%)

Yellow (36%)

Black (20%)



Cyan (20%)

Magenta (60%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0087, 0.4111, 0.2946 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 24.0087, 0.4111, 0.2946 by changing the saturation by 10% instead.





 24.0087, 0.4111,  
0.2946


 24.0087, 0.4111,  
0.2946


272.8645, 0.3564,  
0.3142


 15.3401, 0.4268,  
0.2888


 50.0444, 0.3898,  
0.3024


 9.0584, 0.4483,  
0.2806


 68.1803, 0.3822,  
0.3051

 4.7793, 0.4795,  
0.2686

 90.2407, 0.3760,  
0.3073

 2.1184, 0.5282,  
0.2491

 116.6100, 0.3708,  
0.3092

 0.6749, 0.6303,  
0.2144

147.6726, 0.3664,  
0.3107

 0.0000, 1.0000,  
0.0000

183.8130, 0.3626,

 0.0000, 0.0000,

0.3120

0.0000

225.4155, 0.3593,  
0.3132

■ 24.0087, 0.4111,  
0.2946

■ 24.0087, 0.4111,  
0.2946

■ 20.0796, 0.4438,  
0.2893

■ 28.9776, 0.3830,  
0.3013

■ 17.1121, 0.4802,  
0.2865

■ 35.0498, 0.3596,  
0.3085

■ 15.0228, 0.5183,  
0.2872


■ 42.2881, 0.3403,  
0.3158


■ 13.7119, 0.5547,  
0.2922

■ 50.7495, 0.3246,  
0.3229


■ 13.0110, 0.5860,  
0.3007


■ 60.4871, 0.3118,  
0.3295

 12.9669, 0.5881,  
0.3014

 71.5510, 0.3015,  
0.3356

 83.9886, 0.2930,  
0.3412

 91.0255, 0.2855,  
0.3356

 91.4333, 0.2821,  
0.3289

# Harmonies

## Analogous

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



24.0087, 0.3383, 0.2507



24.0087, 0.4111, 0.2946



24.0087, 0.4551, 0.3476

# Triad

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



24.0087, 0.4111, 0.2946



24.0087, 0.3466, 0.4654



24.0087, 0.1871, 0.2358

# Complementary

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



24.0087, 0.4111, 0.2946



48.7209, 0.2632, 0.3687

# 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.



24.0087, 0.1885, 0.2838



24.0087, 0.4111, 0.2946



24.0087, 0.2759, 0.4316

# Square

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



24.0087, 0.4111, 0.2946



24.0087, 0.4120, 0.4485



24.0087, 0.2188, 0.3577



24.0087, 0.2132, 0.2169



# Rectangle

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



24.0087, 0.4111, 0.2946



24.0087, 0.4591, 0.3844



24.0087, 0.2188, 0.3577



24.0087, 0.1845, 0.2485

# Sweetspot

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



24.0099, 0.4111, 0.2946



76.3068, 0.3336, 0.3187



23.0901, 0.2877, 0.1999



15.7043, 0.3371, 0.3172



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.



24.0099, 0.4111, 0.2946



33.3205, 0.4457, 0.2891



28.2594, 0.4344, 0.3572



11.2626, 0.3248, 0.3228



8.2673, 0.5847, 0.2994



0.4395, 0.5275, 0.2679



# Inverse Universe

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



24.0099, 0.4111, 0.2946



33.3205, 0.4457, 0.2891



40.3739, 0.2426, 0.2971



11.2626, 0.3248, 0.3228



8.2673, 0.5847, 0.2994

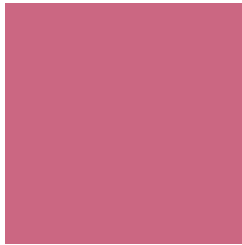


0.4395, 0.5275, 0.2679



# Previews

## White Background



This preview shows how the Yxy color 24.0087, 0.4111, 0.2946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

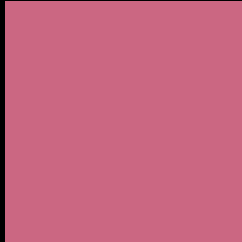
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.0087, 0.4111, 0.2946 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 24.0087, 0.4111, 0.2946**

## Background



This preview shows how black text looks on a background with the Yxy color 24.0087, 0.4111, 0.2946.



This preview shows how white text looks on a background with the Yxy color 24.0087, 0.4111, 0.2946.

# 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

24.0087, 0.4111, 0.2946

### Protanopia

24.2566, 0.2985, 0.3055

### Deuteranopia

24.0252, 0.3432, 0.3373



## Tritanopia

24.0795, 0.4312, 0.3190

# Trichromacy



## Original Color

24.0087, 0.4111, 0.2946

## Protanomaly

23.4599, 0.3358, 0.3008

## Deuteranomaly

23.5113, 0.3674, 0.3185

## Tritanomaly

24.0158, 0.4233, 0.3099

# Monochromacy



## Original Color

24.0087, 0.4111, 0.2946

## Achromatopsia

24.6201, 0.3127, 0.3290

## Achromatomaly

23.6101, 0.3451, 0.3133

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.0087, 0.4111, 0.2946 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(203, 103, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 103, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 24.0087, 0.4111, 0.2946 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, 130) }
```

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

```
.border{ border-color:rgb(203, 103, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 103, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 103, 130);  
box-shadow:4px 4px 4px 4px rgb(203, 103,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.0087, 0.4111, 0.2946 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, 130) }
```

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

```
.background{ background-color: rgb(203,  
103, 130) }
```

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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