

Converting Colors

$Y_{xy}(30.2815, 0.3239, 0.2307)$

Have a look what the booklet for
Yxy(30.2815, 0.3239, 0.2307)
contains.

Yxy(30.3924, 0.3247, 0.2315)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3924, 0.3247, 0.2315)

Conversions

Conversions Part 1

Format	Color
Hex	CF76C8
RGB	207, 118, 200
RGB Percent	81%, 46%, 78%
CMY	0.1884, 0.5371, 0.2157
CMYK	0.00, 0.43, 0.03, 0.19
HSL	305°, 48%, 64%
HSV	305°, 43%, 81%
XYZ	42.6281, 30.3924, 58.2641
YIQ	153.9590, 26.7220, 44.3700

Conversions

Conversions Part 2

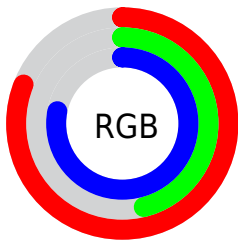
Format	Color
R _{YB}	207, 118, 200
Decimal	13596360
CIE Lab	61.99, 46.56, -27.90
CIE LCh	62, 54.279, 329.064
Yxy	30.3924, 0.3247, 0.2315
Android (android.graphics.Color)	4291786440 (0xFFCF76C8)
YUV	153.9590, 22.6982, 46.5170
Hunter-Lab	55.1293, 41.5469, -24.0709

Details

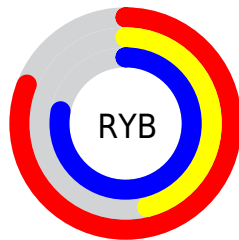
The Yxy color **30.3924, 0.3247, 0.2315** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **49.9416, 0.3025, 0.4512**, and the grayscale version is **32.1878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **12.5511, 0.3261, 0.2057** is the 20% darker color. If you saturate the color by 10%, you get **25.9658, 0.3279, 0.2115**, and if you desaturate by 10%, it is **35.8920, 0.3216, 0.2535**.

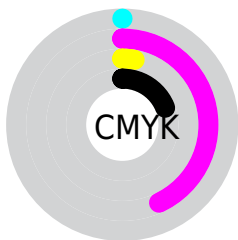
Distribution



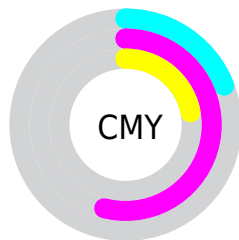
- Red (81%)
- Green (46%)
- Blue (78%)



- Red (81%)
- Yellow (46%)
- Blue (78%)



- Cyan (0%)
- Magenta (43%)
- Yellow (3%)
- Black (19%)





- Cyan (19%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3924, 0.3247, 0.2315 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 30.3924, 0.3247, 0.2315 by changing the saturation by 10% instead.


 30.3924, 0.3247,
0.2315


 30.3924, 0.3247,
0.2315


303.7293, 0.3200,
0.2793


 20.1366, 0.3254,
0.2200


 60.2822, 0.3233,
0.2486

 12.4944, 0.3261,
0.2055


 80.6850, 0.3227,
0.2551

 7.0813, 0.3266,
0.1869


 105.2389, 0.3221,
0.2606

 3.5130, 0.3263,
0.1621

134.3283, 0.3216,
0.2654

 1.4051, 0.3239,
0.1280

168.3377, 0.3212,
0.2695

 0.2205, 0.3260,
0.0494

207.6514, 0.3207,

 0.0000, 0.2297,

0.2732

0.0000

252.6538, 0.3204,
0.2764

0.0000, 0.0000,
0.0000

30.3924, 0.3247,
0.2315

30.3924, 0.3247,
0.2315

25.9658, 0.3279,
0.2115

35.8920, 0.3216,
0.2535

22.5373, 0.3312,
0.1944

42.5246, 0.3186,
0.2765

20.0291, 0.3344,
0.1810


50.3509, 0.3159,
0.2997

18.3501, 0.3373,
0.1719

59.4260, 0.3134,
0.3224

17.3905, 0.3400,
0.1671


69.8015, 0.3112,
0.3442

 17.0113, 0.3418,
0.1656

 81.5262, 0.3093,
0.3647

 89.5004, 0.3078,
0.3760

 89.5822, 0.3069,
0.3742

 89.6649, 0.3061,
0.3724

Harmonies

Analogous

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



30.3924, 0.2439, 0.2046



30.3924, 0.3247, 0.2315



30.3924, 0.4137, 0.2778

Triad

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



30.3924, 0.3247, 0.2315



30.3924, 0.4377, 0.4568



30.3924, 0.1738, 0.2886

Complementary

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



30.3924, 0.3247, 0.2315



49.9416, 0.3025, 0.4512

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.



30.3924, 0.2133, 0.3805



30.3924, 0.3247, 0.2315



30.3924, 0.3648, 0.4904

Square

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



30.3924, 0.3247, 0.2315



30.3924, 0.4807, 0.3982



30.3924, 0.2827, 0.4652



30.3924, 0.1670, 0.2278

Rectangle

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



30.3924, 0.3247, 0.2315



30.3924, 0.4594, 0.3157



30.3924, 0.2827, 0.4652



30.3924, 0.1832, 0.3167

Sweetspot

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



30.3938, 0.3247, 0.2315



80.4769, 0.3159, 0.2993



21.7485, 0.2376, 0.1984



16.5906, 0.3165, 0.2941



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.



30.3938, 0.3247, 0.2315



41.8470, 0.3278, 0.2121



28.6431, 0.3746, 0.2805



11.9924, 0.3150, 0.3079



10.7286, 0.3415, 0.1655



0.6047, 0.3373, 0.1632

Inverse Universe

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



30.3938, 0.3247, 0.2315



41.8470, 0.3278, 0.2121



51.3043, 0.2765, 0.3846



11.9924, 0.3150, 0.3079



10.7286, 0.3415, 0.1655



0.6047, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 30.3924, 0.3247, 0.2315 looks on a white background.

Color Contrast Check

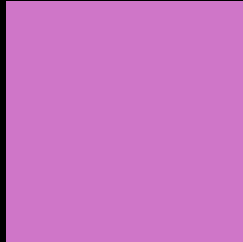
Large Text (above 18pt) WCAG AA × Fail

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 30.3924, 0.3247, 0.2315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

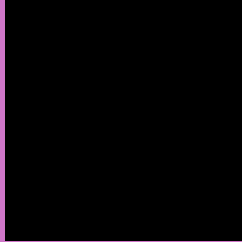
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3924, 0.3247, 0.2315

Background



This preview shows how black text looks on a background with the Yxy color 30.3924, 0.3247, 0.2315.



This preview shows how white text looks on a background with the Yxy color 30.3924, 0.3247, 0.2315.

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

30.3924, 0.3247, 0.2315

Protanopia

30.8675, 0.2357, 0.2248

Deuteranopia

30.7827, 0.2660, 0.2606



Tritanopia

30.4350, 0.3815, 0.3160

Trichromacy



Original Color

30.3924, 0.3247, 0.2315



Protanomaly

29.7662, 0.2617, 0.2243



Deuteranomaly

29.9219, 0.2849, 0.2468



Tritanomaly

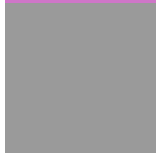
30.2269, 0.3615, 0.2830

Monochromacy



Original Color

30.3924, 0.3247, 0.2315



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.8743, 0.3168, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3924, 0.3247, 0.2315 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(207, 118, 200)` looks like.

```
.text, #text, p{  
    color:rgb(207, 118, 200)  
}
```

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(207, 118, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 118, 200) }
```

Border

The CSS property to change the border of an element to Yxy 30.3924, 0.3247, 0.2315 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(207, 118, 200) }
```

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

```
.border{ border-color:rgb(207, 118, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 118, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 118, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 118, 200);  
box-shadow:4px 4px 4px 4px rgb(207, 118,  
200) }
```


Background

The CSS property to change the background color of an element to `rgb(30.3924, 0.3247, 0.2315)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 118, 200) }
```

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

```
.background{ background-color: rgb(207,  
118, 200) }
```

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