

Converting Colors

$Y_{xy}(23.8338, 0.2963, 0.1898)$

Have a look what the booklet for
Yxy(23.8338, 0.2963, 0.1898)
contains.

Yxy(23.8347, 0.2962, 0.1904)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8347, 0.2962, 0.1904)

Conversions

Conversions Part 1

Format	Color
Hex	BE5FD3
RGB	190, 95, 211
RGB Percent	75%, 37%, 83%
CMY	0.2550, 0.6273, 0.1726
CMYK	0.10, 0.55, 0.00, 0.17
HSL	289°, 57%, 60%
HSV	289°, 55%, 83%
XYZ	37.0790, 23.8347, 64.2686
YIQ	136.6290, 19.3840, 56.2160

Conversions

Conversions Part 2

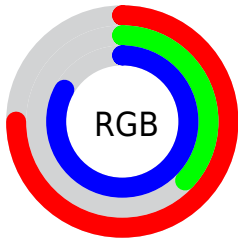
Format	Color
R_{YB}	190, 95, 211
Decimal	12476371
CIE _{Lab}	55.92, 55.33, -43.76
CIE _{LCh}	56, 70.549, 321.659
Yxy	23.8347, 0.2962, 0.1904
Android (android.graphics.Color)	4290666451 (0xFFBE5FD3)
YUV	136.6290, 36.6649, 46.8064
Hunter-Lab	48.8208, 50.1329, -43.8759

Details

The Yxy color **23.8347, 0.2962, 0.1904** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **51.1274, 0.3172, 0.4979**, and the grayscale version is **24.7254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6714, 0.3116, 0.2247**, and **8.9862, 0.2866, 0.1552** is the 20% darker color. If you saturate the color by 10%, you get **20.0484, 0.2917, 0.1696**, and if you desaturate by 10%, it is **28.6652, 0.3003, 0.2141**.

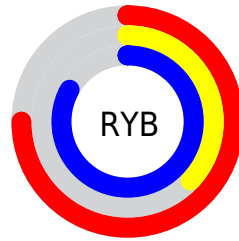
Distribution



Red (75%)

Green (37%)

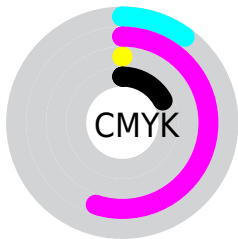
Blue (83%)



Red (75%)

Yellow (37%)

Blue (83%)

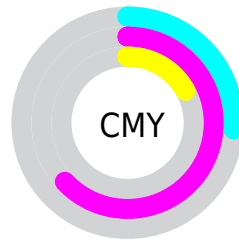


Cyan (10%)

Magenta (55%)

Yellow (0%)

Black (17%)



Cyan (26%)


Magenta (63%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8347, 0.2962, 0.1904 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 23.8347, 0.2962, 0.1904 by changing the saturation by 10% instead.


 23.8347, 0.2962,
0.1904


 23.8347, 0.2962,
0.1904


271.9837, 0.3079,
0.2577


 15.2110, 0.2922,
0.1747


 49.7603, 0.3013,
0.2141


 8.9676, 0.2865,
0.1553


 67.8311, 0.3029,
0.2233

 4.7201, 0.2778,
0.1312


 89.8197, 0.3043,
0.2311

 2.0840, 0.2641,
0.1008

 116.1105, 0.3053,
0.2379

 0.6556, 0.2413,
0.0619

147.0879, 0.3062,
0.2438

 0.0000, 0.2033,
0.0000

183.1363, 0.3069,

 0.0000, 0.0000,

0.2490

0.0000

224.6401, 0.3075,
0.2536

■ 23.8347, 0.2962,
0.1904

■ 23.8347, 0.2962,
0.1904

■ 20.0484, 0.2917,
0.1696

■ 28.6652, 0.3003,
0.2141

■ 17.2179, 0.2870,
0.1526

■ 34.6127, 0.3039,
0.2395

■ 15.2454, 0.2822,
0.1400

■ 41.7468, 0.3070,
0.2657

■ 14.0101, 0.2774,
0.1318

■ 50.1308, 0.3097,
0.2917

■ 13.5583, 0.2750,
0.1289

■ 59.8232, 0.3118,
0.3170

■ 70.8790, 0.3135,
0.3409

■ 83.3499, 0.3149,
0.3632

■ 91.5271, 0.3165,
0.3752

■ 92.1327, 0.3189,
0.3748

Harmonies

Analogous

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



23.8347, 0.1984, 0.1639



23.8347, 0.2962, 0.1904



23.8347, 0.4233, 0.2422

Triad

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



23.8347, 0.2962, 0.1904



23.8347, 0.4899, 0.4676



23.8347, 0.1373, 0.2946

Complementary

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



23.8347, 0.2962, 0.1904



51.1274, 0.3172, 0.4979

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.



23.8347, 0.1937, 0.4380



23.8347, 0.2962, 0.1904



23.8347, 0.3961, 0.5422

Square

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



23.8347, 0.2962, 0.1904



23.8347, 0.5438, 0.3850



23.8347, 0.2892, 0.5489



23.8347, 0.1230, 0.2043

Rectangle

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



23.8347, 0.2962, 0.1904



23.8347, 0.4976, 0.2863



23.8347, 0.2892, 0.5489



23.8347, 0.1509, 0.3384

Sweetspot

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



23.8357, 0.2962, 0.1904



75.2987, 0.3094, 0.2886



19.6943, 0.2133, 0.1846



15.5197, 0.3089, 0.2832



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.



23.8357, 0.2962, 0.1904



29.9143, 0.2909, 0.1663



25.1036, 0.3619, 0.2352



11.8962, 0.3109, 0.3059



8.2241, 0.2757, 0.1293



0.4888, 0.2845, 0.1341

Inverse Universe

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



23.2991, 0.4450, 0.3040



29.3171, 0.4923, 0.3016



50.6779, 0.2855, 0.4498



11.8427, 0.3262, 0.3248



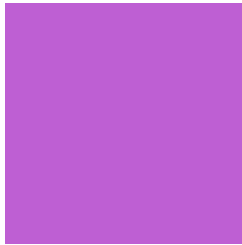
8.4541, 0.6109, 0.3139



0.4835, 0.5616, 0.2867

Previews

White Background



This preview shows how the Yxy color 23.8347, 0.2962, 0.1904 looks on a white background.

Color Contrast Check

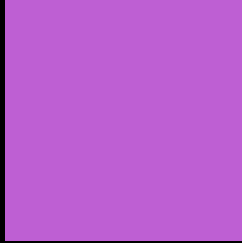
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8347, 0.2962, 0.1904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

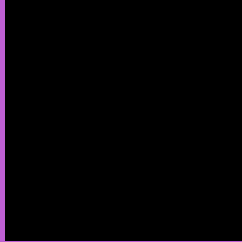
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8347, 0.2962, 0.1904

Background



This preview shows how black text looks on a background with the Yxy color 23.8347, 0.2962, 0.1904.



This preview shows how white text looks on a background with the Yxy color 23.8347, 0.2962, 0.1904.

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

23.8347, 0.2962, 0.1904

Protanopia

24.4265, 0.1963, 0.1733

Deuteranopia

24.1765, 0.2265, 0.2209



Tritanopia

23.6939, 0.3799, 0.3160

Trichromacy



Original Color

23.8347, 0.2962, 0.1904



Protanomaly

22.7050, 0.2194, 0.1739



Deuteranomaly

22.9245, 0.2456, 0.2036



Tritanomaly

23.3167, 0.3468, 0.2622

Monochromacy



Original Color

23.8347, 0.2962, 0.1904



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.6673, 0.3066, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8347, 0.2962, 0.1904 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(190, 95, 211)` looks like.

```
.text, #text, p{  
    color:rgb(190, 95, 211)  
}
```

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(190, 95, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 95, 211) }
```

Border

The CSS property to change the border of an element to Yxy 23.8347, 0.2962, 0.1904 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(190, 95, 211) }
```

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

```
.border{ border-color:rgb(190, 95, 211) }
```

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

Here you see how a box with a 4 pixel rgb(190, 95, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 95, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 95, 211);  
box-shadow:4px 4px 4px 4px rgb(190, 95,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8347, 0.2962, 0.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 95, 211) }
```

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

```
.background{ background-color: rgb(190, 95,  
211) }
```

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