

Converting Colors

$Y_{xy}(23.4609, 0.2926, 0.1934)$

Have a look what the booklet for
Yxy(23.4609, 0.2926, 0.1934)
contains.

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Color

Yxy(23.4798, 0.2927, 0.1935)

Conversions

Conversions Part 1

Format	Color
Hex	B862D0
RGB	184, 98, 208
RGB Percent	72%, 38%, 82%
CMY	0.2785, 0.6156, 0.1842
CMYK	0.12, 0.53, 0.00, 0.18
HSL	287°, 54%, 60%
HSV	287°, 53%, 82%
XYZ	35.5170, 23.4798, 62.3458
YIQ	136.2540, 15.9460, 52.4420

Conversions

Conversions Part 2

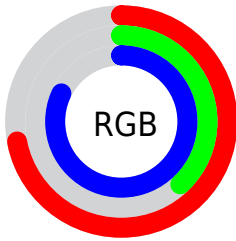
Format	Color
RYB	184, 98, 208
Decimal	12083920
CIELab	55.56, 51.68, -42.69
CIElCh	56, 67.031, 320.438
Yxy	23.4798, 0.2927, 0.1935
Android (android.graphics.Color)	4290274000 (0xFFB862D0)
YUV	136.2540, 35.3708, 41.8732
Hunter-Lab	48.4560, 46.0380, -42.3663

Details

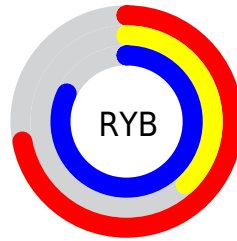
The Yxy color **23.4798, 0.2927, 0.1935** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **50.1446, 0.3201, 0.4894**, and the grayscale version is **24.5826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5537, 0.3066, 0.2259**, and **8.7659, 0.2816, 0.1583** is the 20% darker color. If you saturate the color by 10%, you get **19.5277, 0.2872, 0.1713**, and if you desaturate by 10%, it is **28.4633, 0.2977, 0.2182**.

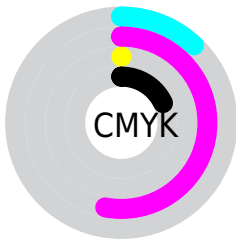
Distribution



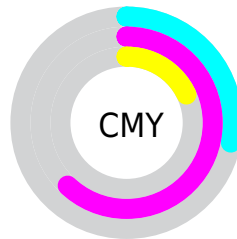
- Red (72%)
- Green (38%)
- Blue (82%)



- Red (72%)
- Yellow (38%)
- Blue (82%)



- Cyan (12%)
- Magenta (53%)
- Yellow (0%)
- Black (18%)





- Cyan (28%)
- Magenta (62%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4798, 0.2927, 0.1935 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 23.4798, 0.2927, 0.1935 by changing the saturation by 10% instead.


 23.4798, 0.2927,
0.1935


 23.4798, 0.2927,
0.1935


270.1799, 0.3062,
0.2599


 14.9482, 0.2883,
0.1778


 49.1800, 0.2984,
0.2170


 8.7830, 0.2820,
0.1585


 67.1173, 0.3003,
0.2261

 4.5999, 0.2726,
0.1341


 88.9587, 0.3018,
0.2338

 2.0145, 0.2578,
0.1033

 115.0885, 0.3030,
0.2404

 0.6159, 0.2335,
0.0625

145.8911, 0.3040,
0.2462

 0.0000, 0.1920,
0.0000

181.7510, 0.3048,

 0.0000, 0.0000,

0.2513

0.0000

223.0524, 0.3056,
0.2558

■ 23.4798, 0.2927,
0.1935

■ 23.4798, 0.2927,
0.1935

■ 19.5277, 0.2872,
0.1713

■ 28.4633, 0.2977,
0.2182

■ 16.5238, 0.2815,
0.1526

■ 34.5469, 0.3022,
0.2444

■ 14.3768, 0.2756,
0.1383

■ 41.7968, 0.3061,
0.2709

■ 12.9754, 0.2698,
0.1285

■ 50.2731, 0.3093,
0.2970

■ 12.2942, 0.2657,
0.1237

■ 60.0317, 0.3120,
0.3221

■ 71.1250, 0.3142,
0.3456

■ 83.6024, 0.3160,
0.3674

■ 91.3450, 0.3180,
0.3784

■ 92.0656, 0.3209,
0.3780

Harmonies

Analogous

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



23.4798, 0.1998, 0.1688



23.4798, 0.2927, 0.1935



23.4798, 0.4138, 0.2431

Triad

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



23.4798, 0.2927, 0.1935



23.4798, 0.4880, 0.4617



23.4798, 0.1449, 0.3018

Complementary

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



23.4798, 0.2927, 0.1935



50.1446, 0.3201, 0.4894

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.



23.4798, 0.2021, 0.4384



23.4798, 0.2927, 0.1935



23.4798, 0.3992, 0.5322

Square

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



23.4798, 0.2927, 0.1935



23.4798, 0.5360, 0.3823



23.4798, 0.2959, 0.5397



23.4798, 0.1289, 0.2120

Rectangle

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



23.4798, 0.2927, 0.1935



23.4798, 0.4859, 0.2859



23.4798, 0.2959, 0.5397



23.4798, 0.1590, 0.3442

Sweetspot

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



23.4808, 0.2927, 0.1935



75.0222, 0.3083, 0.2885



21.4888, 0.2191, 0.1996



15.4532, 0.3076, 0.2830



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.



23.4808, 0.2927, 0.1935



30.4858, 0.2868, 0.1695



25.3930, 0.3524, 0.2325



11.8733, 0.3103, 0.3058



7.7048, 0.2665, 0.1242



0.4639, 0.2770, 0.1300

Inverse Universe

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



23.5577, 0.4310, 0.2995



30.9251, 0.4715, 0.2959



49.2596, 0.2892, 0.4529



11.8499, 0.3257, 0.3239



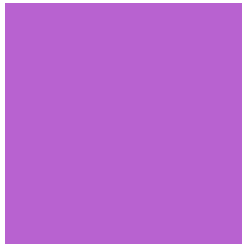
8.4900, 0.6009, 0.3084



0.4869, 0.5485, 0.2795

Previews

White Background



This preview shows how the Yxy color 23.4798, 0.2927, 0.1935 looks on a white background.

Color Contrast Check

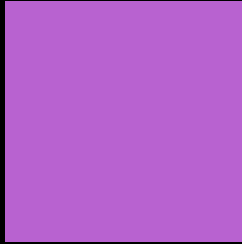
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4798, 0.2927, 0.1935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

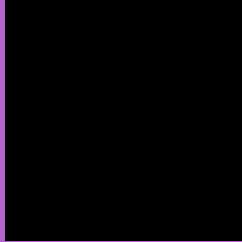
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4798, 0.2927, 0.1935

Background



This preview shows how black text looks on a background with the Yxy color 23.4798, 0.2927, 0.1935.



This preview shows how white text looks on a background with the Yxy color 23.4798, 0.2927, 0.1935.

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

23.4798, 0.2927, 0.1935

Protanopia

23.9187, 0.2002, 0.1784

Deuteranopia

23.7588, 0.2279, 0.2228



Tritanopia

23.3734, 0.3719, 0.3156

Trichromacy



Original Color

23.4798, 0.2927, 0.1935



Protanomaly

22.4409, 0.2233, 0.1792



Deuteranomaly

22.6179, 0.2460, 0.2062



Tritanomaly

23.1163, 0.3416, 0.2649

Monochromacy



Original Color

23.4798, 0.2927, 0.1935



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.3000, 0.3053, 0.2672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4798, 0.2927, 0.1935 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(184, 98, 208)` looks like.

```
.text, #text, p{  
    color:rgb(184, 98, 208)  
}
```

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(184, 98, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 98, 208) }
```

Border

The CSS property to change the border of an element to Yxy 23.4798, 0.2927, 0.1935 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(184, 98, 208) }
```

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

```
.border{ border-color:rgb(184, 98, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 98, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 98, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 98, 208);  
box-shadow:4px 4px 4px 4px rgb(184, 98,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4798, 0.2927, 0.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 98, 208) }
```

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

```
.background{ background-color: rgb(184, 98,  
208) }
```

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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