

Converting Colors

$Y_{xy}(18.7390, 0.2807, 0.1504)$

Have a look what the booklet for
Yxy(18.7390, 0.2807, 0.1504)
contains.

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Color

Yxy(18.7391, 0.2805, 0.1504)

Conversions

Conversions Part 1

Format	Color
Hex	BA3ADE
RGB	186, 58, 222
RGB Percent	73%, 23%, 87%
CMY	0.2706, 0.7725, 0.1293
CMYK	0.16, 0.74, 0.00, 0.13
HSL	287°, 71%, 55%
HSV	287°, 74%, 87%
XYZ	34.9489, 18.7391, 70.9071
YIQ	114.9680, 23.6440, 78.1400

Conversions

Conversions Part 2

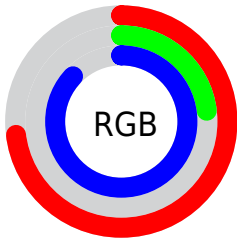
Format	Color
R_{YB}	186, 58, 222
Decimal	12204766
CIE _{Lab}	50.38, 72.08, -58.91
CIE _{LCh}	50, 93.093, 320.745
Yxy	18.7391, 0.2805, 0.1504
Android (android.graphics.Color)	4290394846 (0xFFBA3ADE)
YUV	114.9680, 52.7668, 62.2951
Hunter-Lab	43.2887, 68.3560, -66.8152

Details

The Yxy color **18.7391, 0.2805, 0.1504** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **54.9493, 0.3170, 0.5527**, and the grayscale version is **16.9666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5354, 0.3107, 0.1968**, and **7.3424, 0.2640, 0.1228** is the 20% darker color. If you saturate the color by 10%, you get **16.3624, 0.2746, 0.1366**, and if you desaturate by 10%, it is **22.1026, 0.2864, 0.1687**.

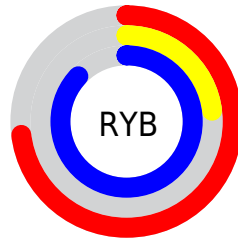
Distribution



Red (73%)

Green (23%)

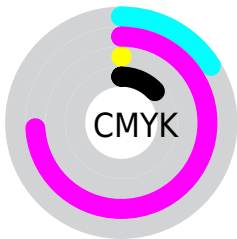
Blue (87%)



Red (73%)

Yellow (23%)

Blue (87%)

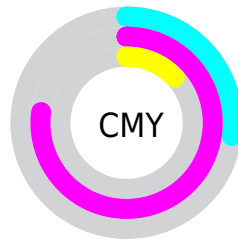


Cyan (16%)

Magenta (74%)

Yellow (0%)

Black (13%)



Cyan (27%)


Magenta (77%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7391, 0.2805, 0.1504 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 18.7391, 0.2805, 0.1504 by changing the saturation by 10% instead.


 18.7391, 0.2805,
0.1504


 18.7391, 0.2805,
0.1504


245.0046, 0.3027,
0.2348


 11.4819, 0.2733,
0.1319


 41.2928, 0.2899,
0.1794

 6.3920, 0.2632,
0.1099


 57.3580, 0.2930,
0.1908


 3.0849, 0.2485,
0.0841


 77.1281, 0.2955,
0.2006

 1.1762, 0.2264,
0.0546

 100.9874, 0.2975,
0.2093

 0.0421, 0.1962,
0.0037

 129.3203, 0.2992,
0.2168

 0.0000, 0.1385,
0.0000

162.5112, 0.3006,

 0.0000, 0.0000,

0.2235

0.0000

200.9445, 0.3017,
0.2295

■ 18.7391, 0.2805,
0.1504

■ 18.7391, 0.2805,
0.1504

■ 16.3624, 0.2746,
0.1366

■ 22.1026, 0.2864,
0.1687

■ 14.8361, 0.2687,
0.1274

■ 26.5611, 0.2919,
0.1906

■ 14.1878, 0.2652,
0.1234

■ 32.2111, 0.2970,
0.2152

■ 39.1374, 0.3016,
0.2414

■ 47.4175, 0.3056,
0.2680

■ 57.1222, 0.3090,
0.2943

■ 68.3176, 0.3118,
0.3196

■ 81.0656, 0.3140,
0.3434

■ 93.6027, 0.3160,
0.3627

Harmonies

Analogous

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



18.7391, 0.1596, 0.1210



18.7391, 0.2805, 0.1504



18.7391, 0.4598, 0.2098

Triad

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



18.7391, 0.2805, 0.1504



18.7391, 0.5255, 0.4745



18.7391, 0.0878, 0.2742

Complementary

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



18.7391, 0.2805, 0.1504



54.9493, 0.3170, 0.5527

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.



18.7391, 0.1478, 0.4969



18.7391, 0.2805, 0.1504



18.7391, 0.3970, 0.6030

Square

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



18.7391, 0.2805, 0.1504



18.7391, 0.6123, 0.3674



18.7391, 0.2614, 0.6569



18.7391, 0.0769, 0.1615

Rectangle

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



18.7391, 0.2805, 0.1504



18.7391, 0.5675, 0.2598



18.7391, 0.2614, 0.6569



18.7391, 0.1010, 0.3376

Sweetspot

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



18.7399, 0.2805, 0.1504



67.0172, 0.3062, 0.2725



14.5918, 0.1829, 0.1394



13.6216, 0.3052, 0.2653



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.



18.7399, 0.2805, 0.1504



21.0501, 0.2711, 0.1307



21.7877, 0.3751, 0.2058



13.7758, 0.3103, 0.3057



8.4750, 0.2660, 0.1239



0.6255, 0.2749, 0.1288

Inverse Universe

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



19.3706, 0.5132, 0.2953



22.6418, 0.5740, 0.3020



54.1154, 0.2862, 0.5118



13.7496, 0.3258, 0.3239



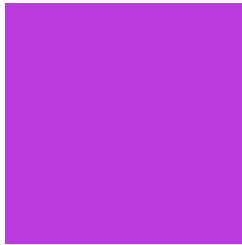
9.3686, 0.6013, 0.3086



0.6627, 0.5581, 0.2848

Previews

White Background



This preview shows how the Yxy color 18.7391, 0.2805, 0.1504 looks on a white background.

Color Contrast Check

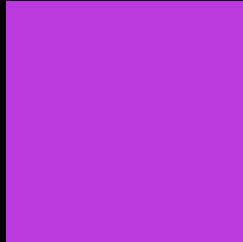
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7391, 0.2805, 0.1504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

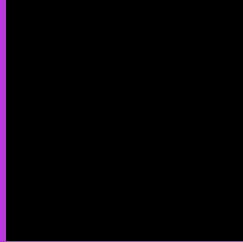
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7391, 0.2805, 0.1504

Background



This preview shows how black text looks on a background with the Yxy color 18.7391, 0.2805, 0.1504.



This preview shows how white text looks on a background with the Yxy color 18.7391, 0.2805, 0.1504.

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

18.7391, 0.2805, 0.1504

Protanopia

19.1446, 0.1737, 0.1454

Deuteranopia

19.1145, 0.1909, 0.1855



Tritanopia

18.7219, 0.4047, 0.3185

Trichromacy



Original Color

18.7391, 0.2805, 0.1504



Protanomaly

15.5278, 0.1825, 0.1302



Deuteranomaly

16.2097, 0.2055, 0.1561



Tritanomaly

17.8970, 0.3545, 0.2387

Monochromacy



Original Color

18.7391, 0.2805, 0.1504



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.0012, 0.3001, 0.2306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7391, 0.2805, 0.1504 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(186, 58, 222)` looks like.

```
.text, #text, p{  
    color:rgb(186, 58, 222)  
}
```

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(186, 58, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 58, 222) }
```

Border

The CSS property to change the border of an element to Yxy 18.7391, 0.2805, 0.1504 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(186, 58, 222) }
```

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

```
.border{ border-color:rgb(186, 58, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 58, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 58, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 58, 222);  
box-shadow:4px 4px 4px 4px rgb(186, 58,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7391, 0.2805, 0.1504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 58, 222) }
```

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

```
.background{ background-color: rgb(186, 58,  
222) }
```

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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