

Converting Colors

$Y_{xy}(19.2686, 0.2838, 0.1513)$

Have a look what the booklet for
Yxy(19.2686, 0.2838, 0.1513)
contains.

Yxy(19.2011, 0.2840, 0.1514)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.2011, 0.2840, 0.1514)

Conversions

Conversions Part 1

Format	Color
Hex	BE39DF
RGB	190, 57, 223
RGB Percent	75%, 22%, 87%
CMY	0.2548, 0.7765, 0.1256
CMYK	0.15, 0.74, 0.00, 0.13
HSL	288°, 72%, 55%
HSV	288°, 74%, 87%
XYZ	36.0179, 19.2011, 71.6046
YIQ	115.6910, 25.9820, 79.8220

Conversions

Conversions Part 2

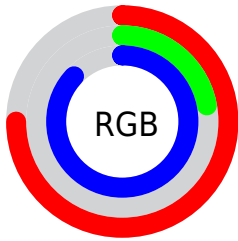
Format	Color
R_{YB}	190, 57, 223
Decimal	12466655
CIE _{Lab}	50.92, 73.37, -58.54
CIE _{LCh}	51, 93.861, 321.413
Yxy	19.2011, 0.2840, 0.1514
Android (android.graphics.Color)	4290656735 (0xFFBE39DF)
YUV	115.6910, 52.9033, 65.1690
Hunter-Lab	43.8191, 70.0381, -66.2123

Details

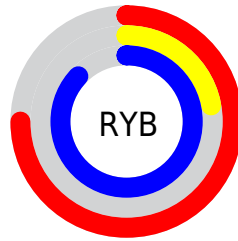
The Yxy color **19.2011, 0.2840, 0.1514** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **55.2311, 0.3151, 0.5554**, and the grayscale version is **17.1956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2666, 0.3143, 0.1982**, and **7.6956, 0.2687, 0.1254** is the 20% darker color. If you saturate the color by 10%, you get **16.8987, 0.2787, 0.1383**, and if you desaturate by 10%, it is **22.4896, 0.2892, 0.1690**.

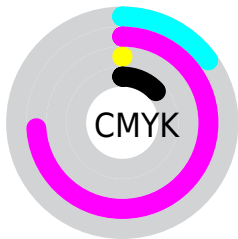
Distribution



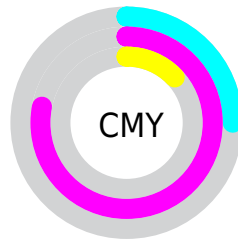
- Red (75%)
- Green (22%)
- Blue (87%)



- Red (75%)
- Yellow (22%)
- Blue (87%)



- Cyan (15%)
- Magenta (74%)
- Yellow (0%)
- Black (13%)





- Cyan (25%)
- Magenta (78%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2011, 0.2840, 0.1514 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 19.2011, 0.2840, 0.1514 by changing the saturation by 10% instead.


 19.2011, 0.2840,
0.1514


 19.2011, 0.2840,
0.1514


247.5567, 0.3043,
0.2351


 11.8157, 0.2773,
0.1331


 42.0736, 0.2927,
0.1801


 6.6183, 0.2678,
0.1113


 58.3295, 0.2956,
0.1914


 3.2246, 0.2541,
0.0857


 78.3111, 0.2978,
0.2012

 1.2501, 0.2332,
0.0564

 102.4026, 0.2997,
0.2097

 0.1020, 0.2041,
0.0087

 130.9885, 0.3012,
0.2172

 0.0000, 0.1493,
0.0000

164.4533, 0.3024,

 0.0000, 0.0000,

0.2239

0.0000

203.1812, 0.3034,
0.2298

■ 19.2011, 0.2840,
0.1514

■ 19.2011, 0.2840,
0.1514

■ 16.8987, 0.2787,
0.1383

■ 22.4896, 0.2892,
0.1690

■ 15.4425, 0.2734,
0.1297


■ 26.8744, 0.2942,
0.1903


■ 14.8742, 0.2705,
0.1264

■ 32.4536, 0.2988,
0.2144

■ 39.3135, 0.3029,
0.2402

■ 47.5326, 0.3064,
0.2667

 57.1829, 0.3093,
0.2929

 68.3313, 0.3118,
0.3182

 81.0404, 0.3138,
0.3421

 93.6481, 0.3155,
0.3617

Harmonies

Analogous

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



19.2011, 0.1615, 0.1214



19.2011, 0.2840, 0.1514



19.2011, 0.4640, 0.2114

Triad

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



19.2011, 0.2840, 0.1514



19.2011, 0.5229, 0.4771



19.2011, 0.0871, 0.2704

Complementary

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



19.2011, 0.2840, 0.1514



55.2311, 0.3151, 0.5554

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.



19.2011, 0.1457, 0.4914



19.2011, 0.2840, 0.1514



19.2011, 0.3937, 0.6054

Square

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



19.2011, 0.2840, 0.1514



19.2011, 0.6112, 0.3694



19.2011, 0.2585, 0.6561



19.2011, 0.0770, 0.1601

Rectangle

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



19.2011, 0.2840, 0.1514



19.2011, 0.5703, 0.2615



19.2011, 0.2585, 0.6561



19.2011, 0.0999, 0.3329

Sweetspot

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



19.2019, 0.2840, 0.1514



67.2287, 0.3071, 0.2727



13.5415, 0.1802, 0.1307



13.6721, 0.3062, 0.2655



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.



19.2019, 0.2840, 0.1514



21.7442, 0.2759, 0.1332



21.6350, 0.3837, 0.2104



13.7910, 0.3106, 0.3057



8.7960, 0.2713, 0.1268



0.6451, 0.2793, 0.1312

Inverse Universe

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



19.3482, 0.5214, 0.2990



22.5755, 0.5803, 0.3056



54.6910, 0.2839, 0.5055



13.7448, 0.3261, 0.3244



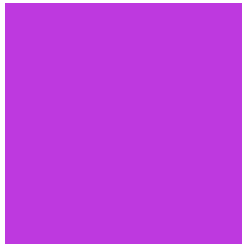
9.3453, 0.6071, 0.3118



0.6605, 0.5648, 0.2885

Previews

White Background



This preview shows how the Yxy color 19.2011, 0.2840, 0.1514 looks on a white background.

Color Contrast Check

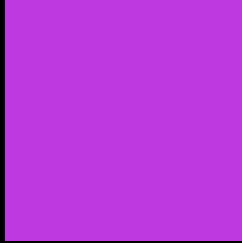
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2011, 0.2840, 0.1514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

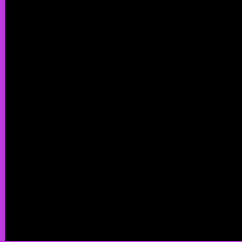
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2011, 0.2840, 0.1514

Background



This preview shows how black text looks on a background with the Yxy color 19.2011, 0.2840, 0.1514.



This preview shows how white text looks on a background with the Yxy color 19.2011, 0.2840, 0.1514.

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

19.2011, 0.2840, 0.1514

Protanopia

19.5621, 0.1735, 0.1447

Deuteranopia

19.5478, 0.1927, 0.1866



Tritanopia

18.9839, 0.4107, 0.3173

Trichromacy



Original Color

19.2011, 0.2840, 0.1514

Protanomaly

15.7409, 0.1821, 0.1287

Deuteranomaly

16.5909, 0.2092, 0.1570

Tritanomaly

18.2139, 0.3601, 0.2392

Monochromacy



Original Color

19.2011, 0.2840, 0.1514

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.3906, 0.3015, 0.2316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2011, 0.2840, 0.1514 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, 57, 223)` looks like.

```
.text, #text, p{  
    color:rgb(190, 57, 223)  
}
```

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, 57, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 57, 223) }
```

Border

The CSS property to change the border of an element to Yxy 19.2011, 0.2840, 0.1514 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, 57, 223) }
```

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

```
.border{ border-color:rgb(190, 57, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 57, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 57, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 57, 223);  
box-shadow:4px 4px 4px 4px rgb(190, 57,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2011, 0.2840, 0.1514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 57, 223) }
```

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

```
.background{ background-color: rgb(190, 57,  
223) }
```

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