

Converting Colors

$Yxy(14.0567, 0.3493, 0.1698)$

Have a look what the booklet for
Yxy(14.0567, 0.3493, 0.1698)
contains.

Yxy(14.0166, 0.3493, 0.1698)	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(14.0166, 0.3493, 0.1698)

Conversions

Conversions Part 1

Format	Color
Hex	BF00AB
RGB	191, 0, 171
RGB Percent	75%, 0%, 67%
CMY	0.2510, 0.9997, 0.3295
CMYK	0.00, 1.00, 0.10, 0.25
HSL	306°, 100%, 37%
HSV	306°, 100%, 75%
XYZ	28.8339, 14.0166, 39.6972
YIQ	76.6030, 58.9450, 93.6730

Conversions

Conversions Part 2

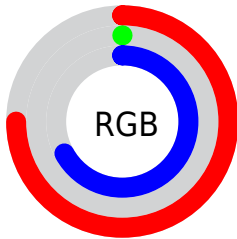
Format	Color
RYB	191, 0, 171
Decimal	12517547
CIELab	44.26, 76.24, -38.99
CIELCh	44, 85.626, 332.915
Yxy	14.0166, 0.3493, 0.1698
Android (android.graphics.Color)	4290707627 (0xFFBF00AB)
YUV	76.6030, 46.5377, 100.3262
Hunter-Lab	37.4387, 71.9562, -36.6595

Details

The Yxy color **14.0166, 0.3493, 0.1698** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **37.3133, 0.2980, 0.5927**, and the grayscale version is **7.2575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0347, 0.3438, 0.1988**, and **6.2946, 0.3507, 0.1705** is the 20% darker color. If you saturate the color by 10%, you get **14.0151, 0.3493, 0.1698**, and if you desaturate by 10%, it is **14.5645, 0.3458, 0.1721**.

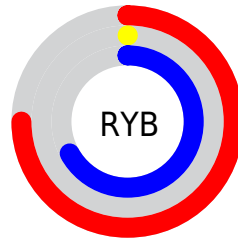
Distribution



Red (75%)

Green (0%)

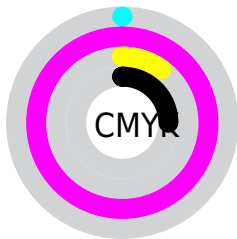
Blue (67%)



Red (75%)

Yellow (0%)

Blue (67%)

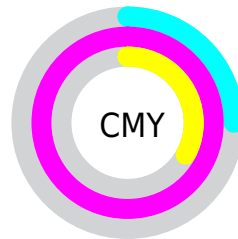


Cyan (0%)

Magenta (100%)

Yellow (10%)

Black (25%)



Cyan (25%)


Magenta (100%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0166, 0.3493, 0.1698 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 14.0166, 0.3493, 0.1698 by changing the saturation by 10% instead.


 14.0166, 0.3493,
0.1698


 14.0166, 0.3493,
0.1698


 217.3341, 0.3330,
0.2509


 8.1322, 0.3522,
0.1500


 33.1185, 0.3441,
0.1992


 4.1797, 0.3551,
0.1253


 47.1048, 0.3419,
0.2103

 1.7746, 0.3571,
0.0944


 64.5605, 0.3400,
0.2197

 0.4712, 0.3579,
0.0507

 85.8700, 0.3383,
0.2278

 0.0000, 0.3491,
0.0000

 111.4177, 0.3367,
0.2347

 0.0000, 0.1981,
0.0000

 141.5880, 0.3354,

 0.0000, 0.0000,

0.2408

0.0000

176.7654, 0.3341,
0.2462

■ 14.0166, 0.3493,
0.1698

■ 14.0166, 0.3493,
0.1698

■ 14.0151, 0.3493,
0.1698

■ 14.5645, 0.3458,
0.1721

■ 15.5752, 0.3421,
0.1781

■ 17.2145, 0.3381,
0.1884

■ 19.5665, 0.3340,
0.2027

■ 22.7025, 0.3299,
0.2205

■ 26.6849, 0.3259,
0.2407

■ 31.5701, 0.3221,
0.2625

■ 37.4094, 0.3186,
0.2850

■ 44.2504, 0.3155,
0.3074

Harmonies

Analogous

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



14.0166, 0.1990, 0.1277



14.0166, 0.3493, 0.1698



14.0166, 0.5328, 0.2387

Triad

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



14.0166, 0.3493, 0.1698



14.0166, 0.4746, 0.5254



14.0166, 0.0771, 0.2144

Complementary

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



14.0166, 0.3493, 0.1698



37.3133, 0.2980, 0.5927

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.



14.0166, 0.1139, 0.3971



14.0166, 0.3493, 0.1698



14.0166, 0.3397, 0.6461

Square

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



14.0166, 0.3493, 0.1698



14.0166, 0.5911, 0.4088



14.0166, 0.2094, 0.6248



14.0166, 0.0804, 0.1378

Rectangle

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



14.0166, 0.3493, 0.1698



14.0166, 0.6110, 0.2901



14.0166, 0.2094, 0.6248



14.0166, 0.0838, 0.2611

Sweetspot

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



14.0173, 0.3493, 0.1698



56.0460, 0.3223, 0.2614



3.9037, 0.1533, 0.0619



11.4505, 0.3239, 0.2519



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.0173, 0.3493, 0.1698



25.0794, 0.3498, 0.1701



11.6064, 0.5383, 0.2739



9.6786, 0.3153, 0.3087



9.2176, 0.3489, 0.1696



0.3661, 0.3414, 0.1654

Inverse Universe

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



14.0173, 0.3493, 0.1698



25.0794, 0.3498, 0.1701



38.4918, 0.2628, 0.4660



9.6786, 0.3153, 0.3087



9.2176, 0.3489, 0.1696



0.3661, 0.3414, 0.1654

Previews

White Background



This preview shows how the Yxy color 14.0166, 0.3493, 0.1698 looks on a white 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

Black Background



This preview shows how the Yxy color 14.0166, 0.3493, 0.1698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

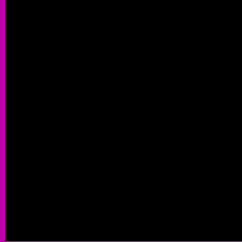
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0166, 0.3493, 0.1698

Background



This preview shows how black text looks on a background with the Yxy color 14.0166, 0.3493, 0.1698.



This preview shows how white text looks on a background with the Yxy color 14.0166, 0.3493, 0.1698.

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

14.0166, 0.3493, 0.1698

Protanopia

14.8150, 0.1739, 0.1461

Deuteranopia

14.6751, 0.2300, 0.2241



Tritanopia

14.4143, 0.5052, 0.3246

Trichromacy



Original Color

14.0166, 0.3493, 0.1698



Protanomaly

9.4259, 0.1851, 0.1158



Deuteranomaly

10.8685, 0.2608, 0.1685



Tritanomaly

13.1036, 0.4539, 0.2528

Monochromacy



Original Color

14.0166, 0.3493, 0.1698



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.1959, 0.3319, 0.2088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0166, 0.3493, 0.1698 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(191, 0, 171)` looks like.

```
.text, #text, p{  
  color:rgb(191, 0, 171)  
}
```

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(191, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 171) }
```

Border

The CSS property to change the border of an element to Yxy 14.0166, 0.3493, 0.1698 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(191, 0, 171) }
```

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

```
.border{ border-color:rgb(191, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0166, 0.3493, 0.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 171) }
```

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

```
.background{ background-color: rgb(191, 0,  
171) }
```

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