

Converting Colors

$Y_{xy}(14.6371, 0.3551, 0.1991)$

Have a look what the booklet for
Yxy(14.6371, 0.3551, 0.1991)
contains.

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Color

Yxy(14.6498, 0.3543, 0.1989)

Conversions

Conversions Part 1

Format	Color
Hex	B4359C
RGB	180, 53, 156
RGB Percent	71%, 21%, 61%
CMY	0.2941, 0.7921, 0.3882
CMYK	0.00, 0.71, 0.13, 0.29
HSL	311°, 54%, 46%
HSV	311°, 71%, 71%
XYZ	26.0956, 14.6498, 32.9087
YIQ	102.7150, 42.6290, 58.9570

Conversions

Conversions Part 2

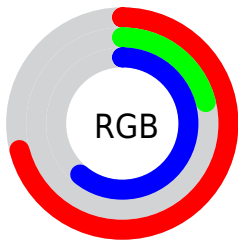
Format	Color
R _Y B	180, 53, 156
Decimal	11810204
CIE _{Lab}	45.15, 61.39, -28.79
CIE _{LCh}	45, 67.805, 334.878
Yxy	14.6498, 0.3543, 0.1989
Android (android.graphics.Color)	4290000284 (0xFFB4359C)
YUV	102.7150, 26.2695, 67.7789
Hunter-Lab	38.2751, 54.7186, -24.1846

Details

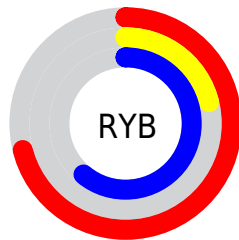
The Yxy color **14.6498, 0.3543, 0.1989** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **33.9330, 0.2915, 0.5171**, and the grayscale version is **13.4071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2057, 0.3469, 0.2242**, and **5.2104, 0.3626, 0.1771** is the 20% darker color. If you saturate the color by 10%, you get **13.1924, 0.3616, 0.1898**, and if you desaturate by 10%, it is **16.7280, 0.3470, 0.2121**.

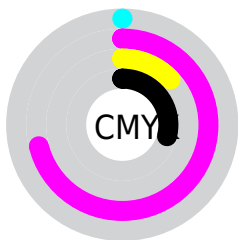
Distribution



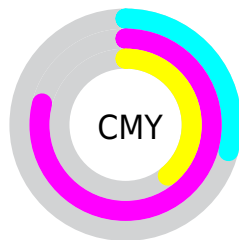
- Red (71%)
- Green (21%)
- Blue (61%)



- Red (71%)
- Yellow (21%)
- Blue (61%)



- Cyan (0%)
- Magenta (71%)
- Yellow (13%)
- Black (29%)





- Cyan (29%)
- Magenta (79%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6498, 0.3543, 0.1989 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 14.6498, 0.3543, 0.1989 by changing the saturation by 10% instead.


 14.6498, 0.3543,
0.1989


 14.6498, 0.3543,
0.1989


221.2366, 0.3333,
0.2676


 8.5740, 0.3593,
0.1809


 34.2376, 0.3467,
0.2246


 4.4644, 0.3655,
0.1577


 48.5185, 0.3439,
0.2340

 1.9366, 0.3729,
0.1268

 66.3031, 0.3414,
0.2420

 0.5702, 0.3829,
0.0809

 87.9758, 0.3393,
0.2487

 0.0000, 0.3983,
0.0000

 113.9212, 0.3375,
0.2544

 0.0000, 0.0000,
0.0000

144.5235, 0.3359,

0.2594

180.1672, 0.3345,
0.2638

■ 14.6498, 0.3543,
0.1989

■ 14.6498, 0.3543,
0.1989

■ 13.1924, 0.3616,
0.1898

■ 16.7280, 0.3470,
0.2121

■ 12.2805, 0.3687,
0.1851

■ 19.4867, 0.3400,
0.2285

■ 11.7778, 0.3752,
0.1841

■ 22.9810, 0.3333,
0.2473

■ 27.2598, 0.3273,
0.2673

■ 32.3678, 0.3219,
0.2879

■ 38.3462, 0.3171,
0.3083

■ 45.2335, 0.3129,
0.3279

■ 53.0661, 0.3094,
0.3466

■ 61.8781, 0.3063,
0.3642

Harmonies

Analogous

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



14.6498, 0.2271, 0.1583



14.6498, 0.3543, 0.1989



14.6498, 0.4954, 0.2629

Triad

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



14.6498, 0.3543, 0.1989



14.6498, 0.4588, 0.5159



14.6498, 0.1098, 0.2351

Complementary

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



14.6498, 0.3543, 0.1989



33.9330, 0.2915, 0.5171

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.



14.6498, 0.1465, 0.3748



14.6498, 0.3543, 0.1989



14.6498, 0.3460, 0.5867

Square

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



14.6498, 0.3543, 0.1989



14.6498, 0.5458, 0.4208



14.6498, 0.2322, 0.5413



14.6498, 0.1122, 0.1671

Rectangle

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



14.6498, 0.3543, 0.1989



14.6498, 0.5563, 0.3119



14.6498, 0.2322, 0.5413



14.6498, 0.1170, 0.2731

Sweetspot

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



14.6505, 0.3543, 0.1989



57.8843, 0.3223, 0.2862



7.3909, 0.1960, 0.1158



11.9426, 0.3237, 0.2806



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



14.6505, 0.3543, 0.1989



22.8356, 0.3658, 0.1865



13.0442, 0.4709, 0.2782



8.6186, 0.3165, 0.3107



8.2301, 0.3744, 0.1836



0.2661, 0.3570, 0.1741

Inverse Universe

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



14.6505, 0.3543, 0.1989



22.8356, 0.3658, 0.1865



35.2843, 0.2553, 0.4003



8.6186, 0.3165, 0.3107



8.2301, 0.3744, 0.1836



0.2661, 0.3570, 0.1741

Previews

White Background



This preview shows how the Yxy color 14.6498, 0.3543, 0.1989 looks on a white background.

Color Contrast Check

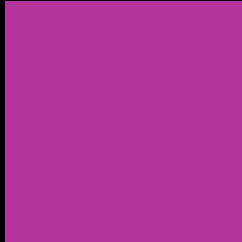
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6498, 0.3543, 0.1989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

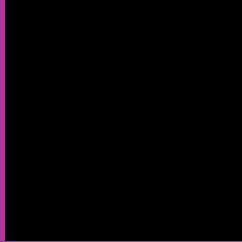
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6498, 0.3543, 0.1989

Background



This preview shows how black text looks on a background with the Yxy color 14.6498, 0.3543, 0.1989.



This preview shows how white text looks on a background with the Yxy color 14.6498, 0.3543, 0.1989.

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

14.6498, 0.3543, 0.1989

Protanopia

15.1728, 0.1934, 0.1704

Deuteranopia

14.8791, 0.2529, 0.2472



Tritanopia

14.6472, 0.4688, 0.3223

Trichromacy



Original Color

14.6498, 0.3543, 0.1989



Protanomaly

12.9410, 0.2258, 0.1674



Deuteranomaly

13.4864, 0.2837, 0.2174



Tritanomaly

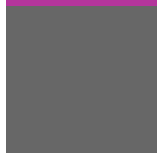
14.4471, 0.4287, 0.2731

Monochromacy



Original Color

14.6498, 0.3543, 0.1989



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.7274, 0.3299, 0.2604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6498, 0.3543, 0.1989 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(180, 53, 156)` looks like.

```
.text, #text, p{  
    color:rgb(180, 53, 156)  
}
```

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(180, 53, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 53, 156) }
```

Border

The CSS property to change the border of an element to Yxy 14.6498, 0.3543, 0.1989 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(180, 53, 156) }
```

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

```
.border{ border-color:rgb(180, 53, 156) }
```

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

Here you see how a box with a 4 pixel rgb(180, 53, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 53, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 53, 156);  
box-shadow:4px 4px 4px 4px rgb(180, 53,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6498, 0.3543, 0.1989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 53, 156) }
```

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

```
.background{ background-color: rgb(180, 53,  
156) }
```

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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