

Converting Colors

$Y_{xy}(15.8848, 0.3541, 0.2177)$

Have a look what the booklet for
Yxy(15.8848, 0.3541, 0.2177)
contains.

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Color

Yxy(15.9944, 0.3540, 0.2179)

Conversions

Conversions Part 1

Format	Color
Hex	B14698
RGB	177, 70, 152
RGB Percent	69%, 27%, 60%
CMY	0.3060, 0.7254, 0.4039
CMYK	0.00, 0.60, 0.14, 0.31
HSL	314°, 43%, 48%
HSV	314°, 60%, 69%
XYZ	25.9845, 15.9944, 31.4236
YIQ	111.3410, 37.4500, 48.1860

Conversions

Conversions Part 2

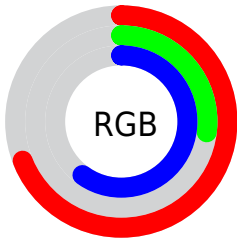
Format	Color
RYB	177, 70, 152
Decimal	11617944
CIELab	46.97, 53.10, -23.60
CIELCh	47, 58.110, 336.033
Yxy	15.9944, 0.3540, 0.2179
Android (android.graphics.Color)	4289808024 (0xFFB14698)
YUV	111.3410, 20.0449, 57.5829
Hunter-Lab	39.9930, 45.9883, -18.5907

Details

The Yxy color **15.9944, 0.3540, 0.2179** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **33.5632, 0.2897, 0.4787**, and the grayscale version is **15.9359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5337, 0.3465, 0.2406**, and **5.0697, 0.3655, 0.1805** is the 20% darker color. If you saturate the color by 10%, you get **13.9638, 0.3632, 0.2053**, and if you desaturate by 10%, it is **18.6837, 0.3453, 0.2337**.

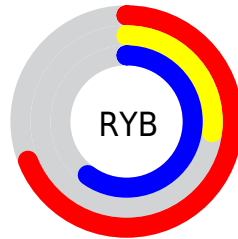
Distribution



Red (69%)

Green (27%)

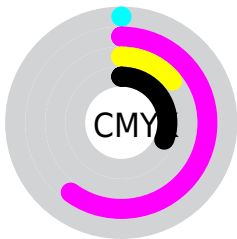
Blue (60%)



Red (69%)

Yellow (27%)

Blue (60%)

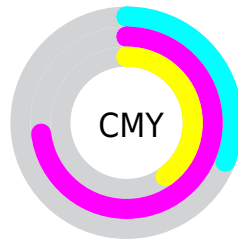


Cyan (0%)

Magenta (60%)

Yellow (14%)

Black (31%)



Cyan (31%)

Magenta (73%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9944, 0.3540, 0.2179 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 15.9944, 0.3540, 0.2179 by changing the saturation by 10% instead.


 15.9944, 0.3540,
0.2179

 15.9944, 0.3540,
0.2179


229.3087, 0.3324,
0.2772


 9.5202, 0.3596,
0.2020


 36.5885, 0.3460,
0.2403


 5.0820, 0.3667,
0.1811


 51.4771, 0.3430,
0.2485


 2.2955, 0.3761,
0.1527

 69.9394, 0.3405,
0.2553

 0.7713, 0.3887,
0.1121

 92.3597, 0.3384,
0.2610

 0.0000, 0.4269,
0.0000

 119.1224, 0.3366,
0.2659

 0.0000, 0.0000,
0.0000

150.6118, 0.3350,

0.2702

187.2125, 0.3336,
0.2739

■ 15.9944, 0.3540,
0.2179

■ 15.9944, 0.3540,
0.2179

■ 13.9638, 0.3632,
0.2053

■ 18.6837, 0.3453,
0.2337

■ 12.5303, 0.3725,
0.1967

■ 22.0814, 0.3372,
0.2516

■ 11.6247, 0.3816,
0.1926

■ 26.2351, 0.3299,
0.2708

■ 11.1115, 0.3902,
0.1923

■ 31.1877, 0.3234,
0.2903

■ 36.9787, 0.3178,
0.3096

■ 43.6451, 0.3129,
0.3282

■ 51.2217, 0.3088,
0.3458

■ 59.7413, 0.3053,
0.3623

■ 69.2350, 0.3023,
0.3776

Harmonies

Analogous

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



15.9944, 0.2440, 0.1799



15.9944, 0.3540, 0.2179



15.9944, 0.4697, 0.2769

Triad

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



15.9944, 0.3540, 0.2179



15.9944, 0.4441, 0.5002



15.9944, 0.1339, 0.2492

Complementary

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



15.9944, 0.3540, 0.2179



33.5632, 0.2897, 0.4787

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.



15.9944, 0.1687, 0.3641



15.9944, 0.3540, 0.2179



15.9944, 0.3462, 0.5455

Square

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



15.9944, 0.3540, 0.2179



15.9944, 0.5159, 0.4227



15.9944, 0.2453, 0.4959



15.9944, 0.1360, 0.1880

Rectangle

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



15.9944, 0.3540, 0.2179



15.9944, 0.5200, 0.3227



15.9944, 0.2453, 0.4959



15.9944, 0.1410, 0.2816

Sweetspot

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



15.9952, 0.3540, 0.2179



57.9476, 0.3221, 0.2945



9.9895, 0.2197, 0.1479



11.9580, 0.3238, 0.2889



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



15.9952, 0.3540, 0.2179



23.9161, 0.3667, 0.2015



14.6204, 0.4466, 0.2895



8.6121, 0.3172, 0.3117



8.0631, 0.3893, 0.1918



0.2620, 0.3667, 0.1794

Inverse Universe

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



15.9952, 0.3540, 0.2179



23.9161, 0.3667, 0.2015



34.8895, 0.2562, 0.3784



8.6121, 0.3172, 0.3117



8.0631, 0.3893, 0.1918



0.2620, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 15.9944, 0.3540, 0.2179 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 15.9944, 0.3540, 0.2179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

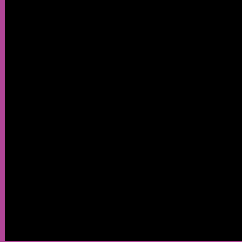
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9944, 0.3540, 0.2179

Background



This preview shows how black text looks on a background with the Yxy color 15.9944, 0.3540, 0.2179.



This preview shows how white text looks on a background with the Yxy color 15.9944, 0.3540, 0.2179.

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

15.9944, 0.3540, 0.2179

Protanopia

16.4064, 0.2168, 0.2008

Deuteranopia

16.2304, 0.2664, 0.2606



Tritanopia

16.0862, 0.4393, 0.3204

Trichromacy



Original Color

15.9944, 0.3540, 0.2179

Protanomaly

14.9449, 0.2525, 0.2000

Deuteranomaly

15.1478, 0.2942, 0.2371

Tritanomaly

15.8365, 0.4079, 0.2791

Monochromacy



Original Color

15.9944, 0.3540, 0.2179

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.0230, 0.3282, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9944, 0.3540, 0.2179 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(177, 70, 152)` looks like.

```
.text, #text, p{  
    color:rgb(177, 70, 152)  
}
```

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(177, 70, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 70, 152) }
```

Border

The CSS property to change the border of an element to Yxy 15.9944, 0.3540, 0.2179 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(177, 70, 152) }
```

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

```
.border{ border-color:rgb(177, 70, 152) }
```

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

Here you see how a box with a 4 pixel rgb(177, 70, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 70, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 70, 152);  
box-shadow:4px 4px 4px 4px rgb(177, 70,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9944, 0.3540, 0.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 70, 152) }
```

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

```
.background{ background-color: rgb(177, 70,  
152) }
```

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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