

Converting Colors

$Y_{xy}(15.3522, 0.2841, 0.1836)$

Have a look what the booklet for
Yxy(15.3522, 0.2841, 0.1836)
contains.

Yxy(15.3789, 0.2850, 0.1841)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.3789, 0.2850, 0.1841)

Conversions

Conversions Part 1

Format	Color
Hex	984EB3
RGB	152, 78, 179
RGB Percent	60%, 31%, 70%
CMY	0.4039, 0.6941, 0.2981
CMYK	0.15, 0.56, 0.00, 0.30
HSL	284°, 40%, 50%
HSV	284°, 56%, 70%
XYZ	23.8076, 15.3789, 44.3490
YIQ	111.6400, 11.6830, 47.0990

Conversions

Conversions Part 2

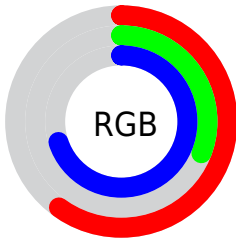
Format	Color
R_{YB}	152, 78, 179
Decimal	9981619
CIE Lab	46.15, 47.30, -41.10
CIE LCh	46, 62.662, 319.012
Yxy	15.3789, 0.2850, 0.1841
Android (android.graphics.Color)	4288171699 (0xFF984EB3)
YUV	111.6400, 33.2085, 35.3957
Hunter-Lab	39.2159, 39.7378, -39.5995

Details

The Yxy color **15.3789, 0.2850, 0.1841** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **35.7840, 0.3239, 0.4971**, and the grayscale version is **15.9922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3733, 0.2930, 0.2116**, and **4.7983, 0.2681, 0.1406** is the 20% darker color. If you saturate the color by 10%, you get **12.7205, 0.2781, 0.1621**, and if you desaturate by 10%, it is **18.7492, 0.2915, 0.2088**.

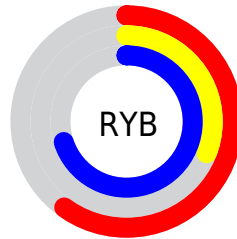
Distribution



Red (60%)

Green (31%)

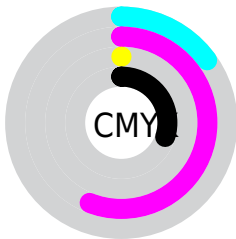
Blue (70%)



Red (60%)

Yellow (31%)

Blue (70%)

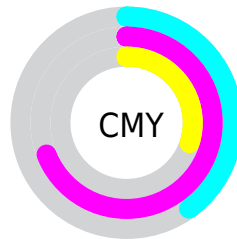


Cyan (15%)

Magenta (56%)

Yellow (0%)

Black (30%)



Cyan (40%)


Magenta (69%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3789, 0.2850, 0.1841 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 15.3789, 0.2850, 0.1841 by changing the saturation by 10% instead.


 15.3789, 0.2850,
0.1841


 15.3789, 0.2850,
0.1841


225.6483, 0.3037,
0.2593


 9.0857, 0.2784,
0.1652


 35.5165, 0.2931,
0.2117


 4.7971, 0.2687,
0.1412


 50.1298, 0.2958,
0.2221


 2.1287, 0.2536,
0.1106

 68.2852, 0.2979,
0.2307

 0.6807, 0.2286,
0.0703

 90.3671, 0.2995,
0.2382

 0.0000, 0.1873,
0.0000

 116.7600, 0.3009,
0.2445

 0.0000, 0.0000,
0.0000

147.8482, 0.3020,

0.2501

184.0162, 0.3029,
0.2550

■ 15.3789, 0.2850,
0.1841

■ 15.3789, 0.2850,
0.1841

■ 12.7205, 0.2781,
0.1621

■ 18.7492, 0.2915,
0.2088

■ 10.7143, 0.2709,
0.1437

■ 22.8808, 0.2973,
0.2350

■ 9.2938, 0.2638,
0.1298

■ 27.8209, 0.3025,
0.2618

■ 8.3690, 0.2568,
0.1204

■ 33.6123, 0.3069,
0.2881

■ 8.0913, 0.2543,
0.1175

■ 40.2948, 0.3107,
0.3135

■ 47.9054, 0.3138,
0.3374

■ 56.4792, 0.3163,
0.3596

■ 66.0496, 0.3183,
0.3799

■ 76.6480, 0.3199,
0.3984

Harmonies

Analogous

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



15.3789, 0.1892, 0.1597



15.3789, 0.2850, 0.1841



15.3789, 0.4146, 0.2346

Triad

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



15.3789, 0.2850, 0.1841



15.3789, 0.4998, 0.4614



15.3789, 0.1366, 0.3043

Complementary

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



15.3789, 0.2850, 0.1841



35.7840, 0.3239, 0.4971

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.



15.3789, 0.1977, 0.4549



15.3789, 0.2850, 0.1841



15.3789, 0.4058, 0.5415

Square

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



15.3789, 0.2850, 0.1841



15.3789, 0.5507, 0.3776



15.3789, 0.2972, 0.5600



15.3789, 0.1192, 0.2067

Rectangle

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



15.3789, 0.2850, 0.1841



15.3789, 0.4940, 0.2786



15.3789, 0.2972, 0.5600



15.3789, 0.1517, 0.3511

Sweetspot

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



15.3795, 0.2850, 0.1841



59.2452, 0.3065, 0.2859



15.3101, 0.2155, 0.2001



12.6499, 0.3057, 0.2807



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.



15.3795, 0.2850, 0.1841



21.6933, 0.2762, 0.1566



17.4693, 0.3480, 0.2218



8.5303, 0.3096, 0.3063



5.7523, 0.2551, 0.1179



0.2077, 0.2744, 0.1285

Inverse Universe

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



16.0513, 0.4329, 0.2912



23.3667, 0.4783, 0.2870



34.7692, 0.2916, 0.4703



8.5413, 0.3246, 0.3229



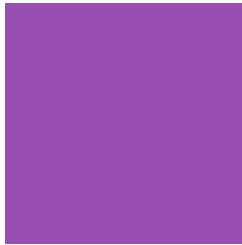
6.9316, 0.5840, 0.2991



0.2280, 0.5038, 0.2549

Previews

White Background



This preview shows how the Yxy color 15.3789, 0.2850, 0.1841 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 15.3789, 0.2850, 0.1841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

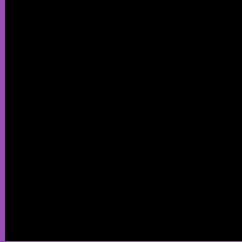
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3789, 0.2850, 0.1841

Background



This preview shows how black text looks on a background with the Yxy color 15.3789, 0.2850, 0.1841.



This preview shows how white text looks on a background with the Yxy color 15.3789, 0.2850, 0.1841.

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

15.3789, 0.2850, 0.1841

Protanopia

15.6051, 0.1907, 0.1660

Deuteranopia

15.6648, 0.2183, 0.2134



Tritanopia

15.4180, 0.3675, 0.3165

Trichromacy



Original Color

15.3789, 0.2850, 0.1841

Protanomaly

14.5754, 0.2119, 0.1673

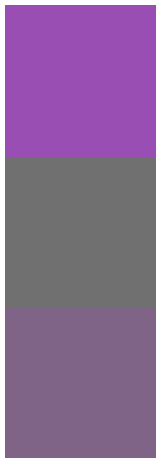
Deuteranomaly

14.7141, 0.2364, 0.1965

Tritanomaly

15.1679, 0.3349, 0.2594

Monochromacy



Original Color

15.3789, 0.2850, 0.1841

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.4039, 0.3035, 0.2634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3789, 0.2850, 0.1841 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(152, 78, 179)` looks like.

```
.text, #text, p{  
  color:rgb(152, 78, 179)  
}
```

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(152, 78, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 78, 179) }
```

Border

The CSS property to change the border of an element to Yxy 15.3789, 0.2850, 0.1841 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(152, 78, 179) }
```

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

```
.border{ border-color:rgb(152, 78, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 78, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 78, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 78, 179);  
box-shadow:4px 4px 4px 4px rgb(152, 78,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3789, 0.2850, 0.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 78, 179) }
```

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

```
.background{ background-color: rgb(152, 78,  
179) }
```

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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