

Converting Colors

$Y_{xy}(15.2207, 0.2630, 0.1879)$

Have a look what the booklet for
Yxy(15.2207, 0.2630, 0.1879)
contains.

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Color

Yxy(15.2207, 0.2630, 0.1879)

Conversions

Conversions Part 1

Format	Color
Hex	8558B3
RGB	133, 88, 179
RGB Percent	52%, 35%, 70%
CMY	0.4783, 0.6550, 0.2979
CMYK	0.26, 0.51, 0.00, 0.30
HSL	270°, 37%, 52%
HSV	270°, 51%, 70%
XYZ	21.3041, 15.2207, 44.4794
YIQ	111.8290, -2.3910, 37.8410

Conversions

Conversions Part 2

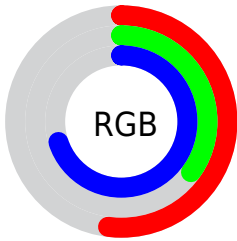
Format	Color
R _Y B	133, 88, 179
Decimal	8738995
CIE Lab	45.94, 36.76, -41.61
CIE LCh	46, 55.527, 311.458
Yxy	15.2207, 0.2630, 0.1879
Android (android.graphics.Color)	4286929075 (0xFF8558B3)
YUV	111.8290, 33.1153, 18.5670
Hunter-Lab	39.0137, 29.1990, -40.2868

Details

The Yxy color **15.2207, 0.2630, 0.1879** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **38.0252, 0.3428, 0.4703**, and the grayscale version is **16.0525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1548, 0.2756, 0.2155**, and **4.7294, 0.2388, 0.1442** is the 20% darker color. If you saturate the color by 10%, you get **11.9297, 0.2501, 0.1600**, and if you desaturate by 10%, it is **19.2979, 0.2752, 0.2172**.

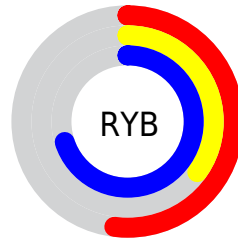
Distribution



Red (52%)

Green (35%)

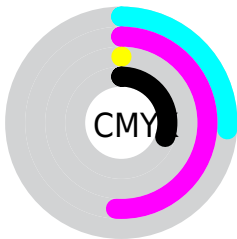
Blue (70%)



Red (52%)

Yellow (35%)

Blue (70%)

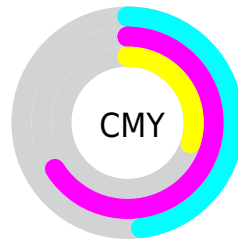


Cyan (26%)

Magenta (51%)

Yellow (0%)

Black (30%)



Cyan (48%)


Magenta (66%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2207, 0.2630, 0.1879 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 15.2207, 0.2630, 0.1879 by changing the saturation by 10% instead.


 15.2207, 0.2630,
0.1879


 15.2207, 0.2630,
0.1879


224.6982, 0.2936,
0.2622


 8.9744, 0.2533,
0.1689


 35.2399, 0.2756,
0.2154


 4.7245, 0.2395,
0.1446


 49.7816, 0.2799,
0.2257


 2.0865, 0.2190,
0.1133

 67.8572, 0.2833,
0.2342

 0.6570, 0.1871,
0.0714

 89.8512, 0.2861,
0.2415

 0.0000, 0.1255,
0.0000

 116.1479, 0.2884,
0.2478

 0.0000, 0.0000,
0.0000

147.1317, 0.2904,

0.2532

183.1870, 0.2921,
0.2580

■ 15.2207, 0.2630,
0.1879

■ 15.2207, 0.2630,
0.1879

■ 11.9297, 0.2501,
0.1600

■ 19.2979, 0.2752,
0.2172

■ 9.3678, 0.2368,
0.1350

■ 24.2095, 0.2863,
0.2466

■ 7.4727, 0.2238,
0.1142

■ 30.0017, 0.2962,
0.2751

■ 6.1699, 0.2116,
0.0986

■ 36.7167, 0.3048,
0.3020

■ 5.3581, 0.2015,
0.0884

■ 44.3941, 0.3121,
0.3270

■ 53.0709, 0.3184,
0.3497

■ 62.7824, 0.3236,
0.3703

■ 73.5618, 0.3280,
0.3888

■ 85.4412, 0.3316,
0.4053

Harmonies

Analogous

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



15.2207, 0.1844, 0.1718



15.2207, 0.2630, 0.1879



15.2207, 0.3746, 0.2297

Triad

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



15.2207, 0.2630, 0.1879



15.2207, 0.5022, 0.4360



15.2207, 0.1630, 0.3399

Complementary

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



15.2207, 0.2630, 0.1879



38.0252, 0.3428, 0.4703

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.



15.2207, 0.2314, 0.4706



15.2207, 0.2630, 0.1879



15.2207, 0.4260, 0.5087

Square

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



15.2207, 0.2630, 0.1879



15.2207, 0.5290, 0.3604



15.2207, 0.3282, 0.5385



15.2207, 0.1356, 0.2372

Rectangle

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



15.2207, 0.2630, 0.1879



15.2207, 0.4502, 0.2687



15.2207, 0.3282, 0.5385



15.2207, 0.1813, 0.3839

Sweetspot

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



15.2213, 0.2630, 0.1879



60.2373, 0.3011, 0.2904



22.6651, 0.2329, 0.2534



12.7941, 0.2993, 0.2848



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.



15.2213, 0.2630, 0.1879



20.7530, 0.2485, 0.1569



19.6406, 0.3165, 0.2081



8.4296, 0.3060, 0.3060



3.8234, 0.2027, 0.0890



0.1550, 0.2343, 0.1064

Inverse Universe

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



18.2856, 0.3804, 0.2636



27.1708, 0.4036, 0.2520



35.1061, 0.3063, 0.4876



8.5745, 0.3211, 0.3175



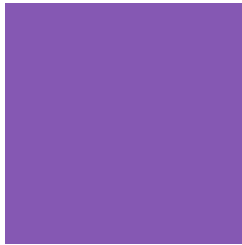
7.3126, 0.4906, 0.2476



0.2419, 0.4313, 0.2150

Previews

White Background



This preview shows how the Yxy color 15.2207, 0.2630, 0.1879 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 15.2207, 0.2630, 0.1879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

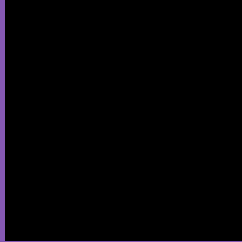
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2207, 0.2630, 0.1879

Background



This preview shows how black text looks on a background with the Yxy color 15.2207, 0.2630, 0.1879.



This preview shows how white text looks on a background with the Yxy color 15.2207, 0.2630, 0.1879.

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

15.2207, 0.2630, 0.1879

Protanopia

15.4174, 0.1988, 0.1772

Deuteranopia

15.3720, 0.2140, 0.2081



Tritanopia

15.1354, 0.3262, 0.3133

Trichromacy



Original Color

15.2207, 0.2630, 0.1879

Protanomaly

14.8150, 0.2155, 0.1776

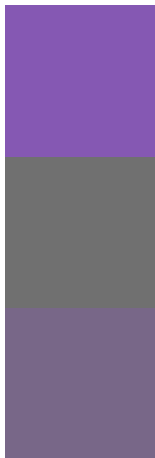
Deuteranomaly

14.8216, 0.2282, 0.1977

Tritanomaly

14.8729, 0.3009, 0.2591

Monochromacy



Original Color

15.2207, 0.2630, 0.1879

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.4711, 0.2943, 0.2672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2207, 0.2630, 0.1879 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(133, 88, 179)` looks like.

```
.text, #text, p{  
    color:rgb(133, 88, 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(133, 88, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 88, 179) }
```

Border

The CSS property to change the border of an element to Yxy 15.2207, 0.2630, 0.1879 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(133, 88, 179) }
```

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

```
.border{ border-color:rgb(133, 88, 179) }
```

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

Here you see how a box with a 4 pixel rgb(133, 88, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 88, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 88, 179);  
box-shadow:4px 4px 4px 4px rgb(133, 88,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2207, 0.2630, 0.1879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 88, 179) }
```

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

```
.background{ background-color: rgb(133, 88,  
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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