

Converting Colors

$Y_{xy}(15.6205, 0.2361, 0.1284)$

Have a look what the booklet for
Yxy(15.6205, 0.2361, 0.1284)
contains.

Yxy(15.5910, 0.2362, 0.1285)	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(15.5910, 0.2362, 0.1285)

Conversions

Conversions Part 1

Format	Color
Hex	963DE7
RGB	150, 61, 231
RGB Percent	59%, 24%, 91%
CMY	0.4120, 0.7605, 0.0942
CMYK	0.35, 0.74, 0.00, 0.09
HSL	271°, 78%, 57%
HSV	271°, 74%, 91%
XYZ	28.6583, 15.5910, 77.0814
YIQ	106.9910, -1.5260, 71.7380

Conversions

Conversions Part 2

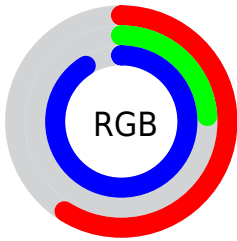
Format	Color
R_{YB}	150, 61, 231
Decimal	9846247
CIE _{Lab}	46.43, 66.17, -70.61
CIE _{LCh}	46, 96.766, 313.143
Yxy	15.5910, 0.2362, 0.1285
Android (android.graphics.Color)	4288036327 (0xFF963DE7)
YUV	106.9910, 61.1364, 37.7189
Hunter-Lab	39.4854, 60.4548, -88.1030

Details

The Yxy color **15.5910, 0.2362, 0.1285** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle washed purple. A complement of this color would be **63.2362, 0.3430, 0.5345**, and the grayscale version is **14.5347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2661, 0.2776, 0.1826**, and **5.2801, 0.2073, 0.0916** is the 20% darker color. If you saturate the color by 10%, you get **12.6349, 0.2238, 0.1098**, and if you desaturate by 10%, it is **19.7076, 0.2490, 0.1520**.

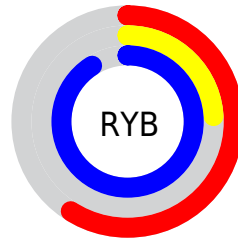
Distribution



Red (59%)

Green (24%)

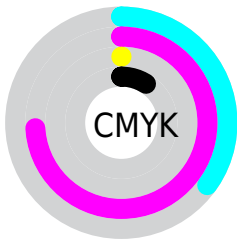
Blue (91%)



Red (59%)

Yellow (24%)

Blue (91%)

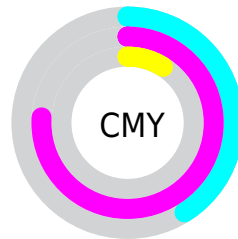


Cyan (35%)

Magenta (74%)

Yellow (0%)

Black (9%)



Cyan (41%)


Magenta (76%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5910, 0.2362, 0.1285 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 15.5910, 0.2362, 0.1285 by changing the saturation by 10% instead.


 15.5910, 0.2362,
0.1285

 15.5910, 0.2362,
0.1285


226.9160, 0.2823,
0.2227

 9.2352, 0.2231,
0.1086


 35.8867, 0.2543,
0.1603

 4.8949, 0.2058,
0.0857


 50.5954, 0.2608,
0.1730

 2.1857, 0.1825,
0.0601


 68.8571, 0.2661,
0.1841

 0.7122, 0.1510,
0.0327

 91.0564, 0.2704,
0.1938

 0.0000, 0.1096,
0.0000

 117.5775, 0.2741,
0.2023

 0.0000, 0.0319,
0.0000

148.8049, 0.2772,

 0.0000, 0.0000,

0.2099

0.0000

185.1229, 0.2799,
0.2166

■ 15.5910, 0.2362,
0.1285

■ 15.5910, 0.2362,
0.1285

■ 12.6349, 0.2238,
0.1098

■ 19.7076, 0.2490,
0.1520

■ 10.6881, 0.2123,
0.0967

■ 25.1069, 0.2616,
0.1789

■ 9.8192, 0.2055,
0.0906

■ 31.8966, 0.2736,
0.2079

■ 40.1724, 0.2846,
0.2376

■ 50.0213, 0.2945,
0.2667

61.5232, 0.3030,
0.2944

74.7528, 0.3104,
0.3203

89.7799, 0.3166,
0.3440

97.4441, 0.3230,
0.3525

Harmonies

Analogous

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



15.5910, 0.1282, 0.1066



15.5910, 0.2362, 0.1285



15.5910, 0.4204, 0.1822

Triad

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



15.5910, 0.2362, 0.1285



15.5910, 0.5614, 0.4386



15.5910, 0.0825, 0.3161

Complementary

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



15.5910, 0.2362, 0.1285



63.2362, 0.3430, 0.5345

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.



15.5910, 0.1570, 0.5854



15.5910, 0.2362, 0.1285



15.5910, 0.4239, 0.5761

Square

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



15.5910, 0.2362, 0.1285



15.5910, 0.6429, 0.3362



15.5910, 0.2811, 0.6897



15.5910, 0.0639, 0.1676

Rectangle

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



15.5910, 0.2362, 0.1285



15.5910, 0.5521, 0.2314



15.5910, 0.2811, 0.6897



15.5910, 0.0998, 0.3987

Sweetspot

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



15.5915, 0.2362, 0.1285



64.5545, 0.2958, 0.2708



26.4653, 0.1985, 0.2005



13.0375, 0.2933, 0.2630



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



15.5915, 0.2362, 0.1285



14.4722, 0.2180, 0.1026



25.9395, 0.3231, 0.1723



14.2561, 0.3062, 0.3053



5.5805, 0.2071, 0.0915



0.4676, 0.2226, 0.1000

Inverse Universe

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



22.2864, 0.4407, 0.2486



24.0435, 0.4799, 0.2493



58.5014, 0.3010, 0.5604



14.4819, 0.3218, 0.3178



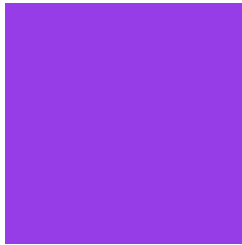
10.1823, 0.5051, 0.2556



0.7711, 0.4712, 0.2369

Previews

White Background



This preview shows how the Yxy color 15.5910, 0.2362, 0.1285 looks on a white background.

Color Contrast Check

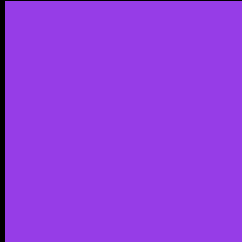
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5910, 0.2362, 0.1285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

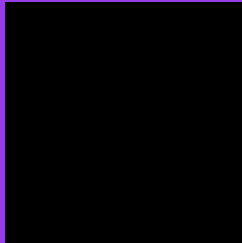
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5910, 0.2362, 0.1285

Background



This preview shows how black text looks on a background with the Yxy color 15.5910, 0.2362, 0.1285.



This preview shows how white text looks on a background with the Yxy color 15.5910, 0.2362, 0.1285.

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

15.5910, 0.2362, 0.1285

Protanopia

15.6899, 0.1741, 0.1468

Deuteranopia

15.7504, 0.1846, 0.1845



Tritanopia

15.5825, 0.3348, 0.3137

Trichromacy



Original Color

15.5910, 0.2362, 0.1285



Protanomaly

13.6706, 0.1784, 0.1277



Deuteranomaly

13.3717, 0.1850, 0.1458



Tritanomaly

14.4969, 0.2909, 0.2174

Monochromacy



Original Color

15.5910, 0.2362, 0.1285



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.7903, 0.2789, 0.2198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5910, 0.2362, 0.1285 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(150, 61, 231)` looks like.

```
.text, #text, p{  
  color:rgb(150, 61, 231)  
}
```

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(150, 61, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 61, 231) }
```

Border

The CSS property to change the border of an element to Yxy 15.5910, 0.2362, 0.1285 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(150, 61, 231) }
```

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

```
.border{ border-color:rgb(150, 61, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 61, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 61, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 61, 231);  
box-shadow:4px 4px 4px 4px rgb(150, 61,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5910, 0.2362, 0.1285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 61, 231) }
```

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

```
.background{ background-color: rgb(150, 61,  
231) }
```

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