

Converting Colors

$Y_{xy}(15.3859, 0.2778, 0.1795)$

Have a look what the booklet for
Yxy(15.3859, 0.2778, 0.1795)
contains.

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Color

Yxy(15.4949, 0.2783, 0.1803)

Conversions

Conversions Part 1

Format	Color
Hex	964FB7
RGB	150, 79, 183
RGB Percent	59%, 31%, 72%
CMY	0.4119, 0.6901, 0.2824
CMYK	0.18, 0.57, 0.00, 0.28
HSL	281°, 42%, 51%
HSV	281°, 57%, 72%
XYZ	23.9170, 15.4949, 46.5277
YIQ	112.0850, 8.9320, 47.3960

Conversions

Conversions Part 2

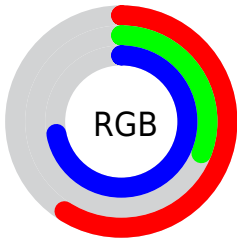
Format	Color
R_{YB}	150, 79, 183
Decimal	9850807
CIE _{Lab}	46.30, 47.11, -43.22
CIE _{LCh}	46, 63.932, 317.466
Yxy	15.4949, 0.2783, 0.1803
Android (android.graphics.Color)	4288040887 (0xFF964FB7)
YUV	112.0850, 34.9611, 33.2515
Hunter-Lab	39.3636, 39.5689, -42.5262

Details

The Yxy color **15.4949, 0.2783, 0.1803** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **37.8777, 0.3281, 0.4964**, and the grayscale version is **16.1244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6457, 0.2872, 0.2076**, and **4.8556, 0.2603, 0.1377** is the 20% darker color. If you saturate the color by 10%, you get **12.6707, 0.2700, 0.1574**, and if you desaturate by 10%, it is **19.0743, 0.2862, 0.2058**.

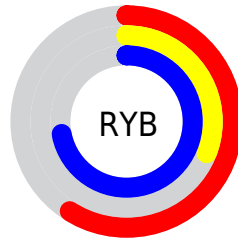
Distribution



Red (59%)

Green (31%)

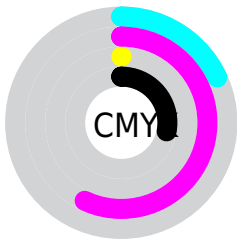
Blue (72%)



Red (59%)

Yellow (31%)

Blue (72%)

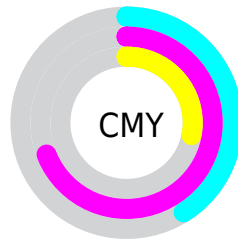


Cyan (18%)

Magenta (57%)

Yellow (0%)

Black (28%)



Cyan (41%)


Magenta (69%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4949, 0.2783, 0.1803 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 15.4949, 0.2783, 0.1803 by changing the saturation by 10% instead.


 15.4949, 0.2783,
0.1803


 15.4949, 0.2783,
0.1803

226.3425, 0.3008,
0.2571


 9.1675, 0.2707,
0.1612


 35.7191, 0.2879,
0.2084


 4.8506, 0.2597,
0.1371


 50.3846, 0.2911,
0.2189


 2.1599, 0.2430,
0.1066

 68.5982, 0.2936,
0.2278

 0.6980, 0.2160,
0.0674

 90.7444, 0.2956,
0.2354

 0.0000, 0.1729,
0.0000

 117.2076, 0.2972,
0.2419

 0.0000, 0.0000,
0.0000

148.3720, 0.2986,

0.2476

184.6222, 0.2998,
0.2526

■ 15.4949, 0.2783,
0.1803

■ 15.4949, 0.2783,
0.1803

■ 12.6707, 0.2700,
0.1574

■ 19.0743, 0.2862,
0.2058

■ 10.5382, 0.2614,
0.1382

■ 23.4617, 0.2933,
0.2328

■ 9.0263, 0.2529,
0.1235

■ 28.7072, 0.2997,
0.2601

■ 8.0364, 0.2447,
0.1135

■ 34.8563, 0.3052,
0.2868

■ 7.7697, 0.2421,
0.1107

■ 41.9511, 0.3100,
0.3124

■ 50.0313, 0.3139,
0.3365

■ 59.1339, 0.3171,
0.3587

■ 69.2944, 0.3198,
0.3790

■ 80.5463, 0.3219,
0.3974

Harmonies

Analogous

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



15.4949, 0.1837, 0.1571



15.4949, 0.2783, 0.1803



15.4949, 0.4093, 0.2301

Triad

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



15.4949, 0.2783, 0.1803



15.4949, 0.5058, 0.4575



15.4949, 0.1362, 0.3104

Complementary

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



15.4949, 0.2783, 0.1803



37.8777, 0.3281, 0.4964

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.



15.4949, 0.2000, 0.4653



15.4949, 0.2783, 0.1803



15.4949, 0.4116, 0.5409

Square

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



15.4949, 0.2783, 0.1803



15.4949, 0.5549, 0.3731



15.4949, 0.3019, 0.5665



15.4949, 0.1169, 0.2082

Rectangle

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



15.4949, 0.2783, 0.1803



15.4949, 0.4917, 0.2740



15.4949, 0.3019, 0.5665



15.4949, 0.1522, 0.3590

Sweetspot

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



15.4955, 0.2783, 0.1803



61.8833, 0.3050, 0.2856



17.0444, 0.2166, 0.2080



13.1566, 0.3040, 0.2803



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



15.4955, 0.2783, 0.1803



21.7078, 0.2680, 0.1526



18.4028, 0.3412, 0.2152



9.0159, 0.3088, 0.3061



5.4585, 0.2431, 0.1113



0.2240, 0.2638, 0.1227

Inverse Universe

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



16.8327, 0.4255, 0.2836



24.7188, 0.4660, 0.2783



36.3796, 0.2945, 0.4808



9.0580, 0.3239, 0.3218



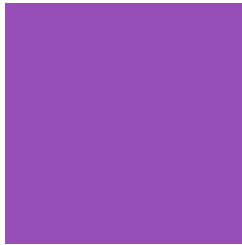
7.2483, 0.5666, 0.2895



0.2671, 0.4919, 0.2483

Previews

White Background



This preview shows how the Yxy color 15.4949, 0.2783, 0.1803 looks on a white background.

Color Contrast Check

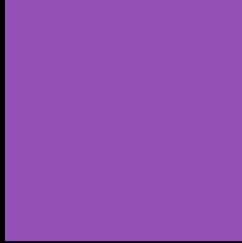
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4949, 0.2783, 0.1803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

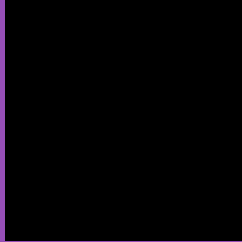
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4949, 0.2783, 0.1803

Background



This preview shows how black text looks on a background with the Yxy color 15.4949, 0.2783, 0.1803.



This preview shows how white text looks on a background with the Yxy color 15.4949, 0.2783, 0.1803.

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

15.4949, 0.2783, 0.1803

Protanopia

15.8986, 0.1882, 0.1634

Deuteranopia

15.6658, 0.2133, 0.2074



Tritanopia

15.3885, 0.3596, 0.3144

Trichromacy



Original Color

15.4949, 0.2783, 0.1803



Protanomaly

14.7942, 0.2080, 0.1643



Deuteranomaly

14.8877, 0.2309, 0.1925



Tritanomaly

15.1543, 0.3262, 0.2554

Monochromacy



Original Color

15.4949, 0.2783, 0.1803



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.3849, 0.2997, 0.2598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4949, 0.2783, 0.1803 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, 79, 183)` looks like.

```
.text, #text, p{  
    color:rgb(150, 79, 183)  
}
```

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, 79, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 79, 183) }
```

Border

The CSS property to change the border of an element to Yxy 15.4949, 0.2783, 0.1803 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, 79, 183) }
```

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

```
.border{ border-color:rgb(150, 79, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 79, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 79, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 79, 183);  
box-shadow:4px 4px 4px 4px rgb(150, 79,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4949, 0.2783, 0.1803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 79, 183) }
```

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

```
.background{ background-color: rgb(150, 79,  
183) }
```

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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