

Converting Colors

$Y_{xy}(15.2455, 0.2530, 0.1803)$

Have a look what the booklet for
Yxy(15.2455, 0.2530, 0.1803)
contains.

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Color

Yxy(15.1494, 0.2531, 0.1800)

Conversions

Conversions Part 1

Format	Color
Hex	8158B9
RGB	129, 88, 185
RGB Percent	51%, 35%, 73%
CMY	0.4941, 0.6549, 0.2744
CMYK	0.30, 0.52, 0.00, 0.27
HSL	265°, 41%, 54%
HSV	265°, 52%, 73%
XYZ	21.3017, 15.1494, 47.7122
YIQ	111.3170, -6.7010, 38.8590

Conversions

Conversions Part 2

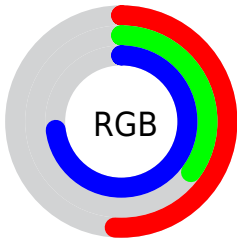
Format	Color
R_{YB}	129, 88, 185
Decimal	8476857
CIE _{Lab}	45.84, 37.17, -45.29
CIE _{LCh}	46, 58.591, 309.373
Yxy	15.1494, 0.2531, 0.1800
Android (android.graphics.Color)	4286666937 (0xFF8158B9)
YUV	111.3170, 36.3257, 15.5080
Hunter-Lab	38.9222, 29.5773, -45.4341

Details

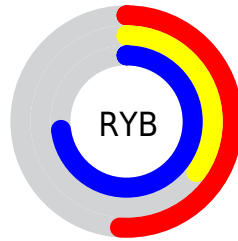
The Yxy color **15.1494, 0.2531, 0.1800** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **41.3424, 0.3497, 0.4722**, and the grayscale version is **15.8873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0664, 0.2672, 0.2081**, and **4.6928, 0.2272, 0.1360** is the 20% darker color. If you saturate the color by 10%, you get **11.6951, 0.2384, 0.1512**, and if you desaturate by 10%, it is **19.4631, 0.2672, 0.2103**.

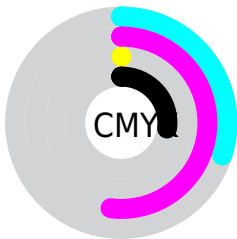
Distribution



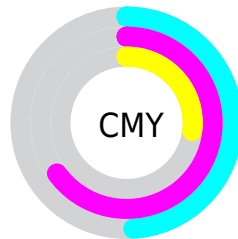
- Red (51%)
- Green (35%)
- Blue (73%)



- Red (51%)
- Yellow (35%)
- Blue (73%)



- Cyan (30%)
- Magenta (52%)
- Yellow (0%)
- Black (27%)




- Cyan (49%)
- Magenta (65%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1494, 0.2531, 0.1800 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 15.1494, 0.2531, 0.1800 by changing the saturation by 10% instead.


 15.1494, 0.2531,
0.1800


 15.1494, 0.2531,
0.1800


224.2687, 0.2892,
0.2578

 8.9243, 0.2420,
0.1604


 35.1151, 0.2678,
0.2086


 4.6918, 0.2264,
0.1358


 49.6244, 0.2728,
0.2193


 2.0676, 0.2038,
0.1045

 67.6640, 0.2769,
0.2283

 0.6463, 0.1698,
0.0638

 89.6181, 0.2802,
0.2360

 0.0000, 0.1084,
0.0000

 115.8713, 0.2830,
0.2426

 0.0000, 0.0000,
0.0000

146.8079, 0.2854,

0.2483

182.8122, 0.2874,
0.2533

■ 15.1494, 0.2531,
0.1800

■ 15.1494, 0.2531,
0.1800

■ 11.6951, 0.2384,
0.1512

■ 19.4631, 0.2672,
0.2103

■ 9.0361, 0.2236,
0.1256

■ 24.6903, 0.2801,
0.2407

■ 7.1022, 0.2095,
0.1047

■ 30.8825, 0.2918,
0.2700

■ 5.8088, 0.1968,
0.0894

■ 38.0869, 0.3020,
0.2977

■ 5.1317, 0.1882,
0.0810

■ 46.3475, 0.3108,
0.3231

■ 55.7056, 0.3183,
0.3463

■ 66.2004, 0.3246,
0.3671

■ 77.8690, 0.3300,
0.3856

■ 90.7468, 0.3344,
0.4021

Harmonies

Analogous

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



15.1494, 0.1746, 0.1653



15.1494, 0.2531, 0.1800



15.1494, 0.3688, 0.2214

Triad

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



15.1494, 0.2531, 0.1800



15.1494, 0.5138, 0.4322



15.1494, 0.1594, 0.3491

Complementary

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



15.1494, 0.2531, 0.1800



41.3424, 0.3497, 0.4722

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.



15.1494, 0.2326, 0.4885



15.1494, 0.2531, 0.1800



15.1494, 0.4355, 0.5111

Square

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



15.1494, 0.2531, 0.1800



15.1494, 0.5392, 0.3542



15.1494, 0.3341, 0.5516



15.1494, 0.1290, 0.2373

Rectangle

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



15.1494, 0.2531, 0.1800



15.1494, 0.4500, 0.2608



15.1494, 0.3341, 0.5516



15.1494, 0.1791, 0.3967

Sweetspot

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



15.1500, 0.2531, 0.1800



63.0463, 0.2982, 0.2874



25.7055, 0.2326, 0.2617



13.0237, 0.2962, 0.2817



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.



15.1500, 0.2531, 0.1800



20.0913, 0.2360, 0.1469



19.8223, 0.3088, 0.2016



8.9000, 0.3048, 0.3058



3.5343, 0.1895, 0.0818



0.1612, 0.2201, 0.0986

Inverse Universe

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



19.3101, 0.3732, 0.2525



28.6957, 0.3935, 0.2392



37.9029, 0.3105, 0.4914



9.0968, 0.3200, 0.3159



7.7581, 0.4611, 0.2314



0.2856, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 15.1494, 0.2531, 0.1800 looks on a white background.

Color Contrast Check

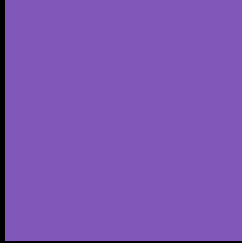
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1494, 0.2531, 0.1800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

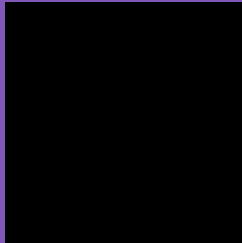
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1494, 0.2531, 0.1800

Background



This preview shows how black text looks on a background with the Yxy color 15.1494, 0.2531, 0.1800.



This preview shows how white text looks on a background with the Yxy color 15.1494, 0.2531, 0.1800.

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

15.1494, 0.2531, 0.1800

Protanopia

15.4719, 0.1930, 0.1701

Deuteranopia

15.2656, 0.2048, 0.1987



Tritanopia

15.1678, 0.3149, 0.3129

Trichromacy



Original Color

15.1494, 0.2531, 0.1800

Protanomaly

14.7940, 0.2078, 0.1700

Deuteranomaly

14.6632, 0.2177, 0.1885

Tritanomaly

14.8102, 0.2895, 0.2530

Monochromacy



Original Color

15.1494, 0.2531, 0.1800

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.3870, 0.2894, 0.2634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1494, 0.2531, 0.1800 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(129, 88, 185)` looks like.

```
.text, #text, p{  
    color:rgb(129, 88, 185)  
}
```

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(129, 88, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 88, 185) }
```

Border

The CSS property to change the border of an element to Yxy 15.1494, 0.2531, 0.1800 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(129, 88, 185) }
```

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

```
.border{ border-color:rgb(129, 88, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 88, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 88, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 88, 185);  
box-shadow:4px 4px 4px 4px rgb(129, 88,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1494, 0.2531, 0.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 88, 185) }
```

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

```
.background{ background-color: rgb(129, 88,  
185) }
```

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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