

Converting Colors

$Y_{xy}(15.2687, 0.2312, 0.1503)$

Have a look what the booklet for
Yxy(15.2687, 0.2312, 0.1503)
contains.

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Color

Yxy(15.1998, 0.2311, 0.1501)

Conversions

Conversions Part 1

Format	Color
Hex	7F52D2
RGB	127, 82, 210
RGB Percent	50%, 32%, 82%
CMY	0.5019, 0.6784, 0.1765
CMYK	0.40, 0.61, 0.00, 0.18
HSL	261°, 59%, 57%
HSV	261°, 61%, 82%
XYZ	23.4022, 15.1998, 62.6625
YIQ	110.0470, -14.2680, 49.3480

Conversions

Conversions Part 2

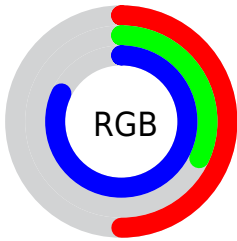
Format	Color
R_{YB}	127, 82, 210
Decimal	8344274
CIE _{Lab}	45.91, 46.54, -59.62
CIE _{LCh}	46, 75.639, 307.977
Yxy	15.1998, 0.2311, 0.1501
Android (android.graphics.Color)	4286534354 (0xFF7F52D2)
YUV	110.0470, 49.2768, 14.8678
Hunter-Lab	38.9869, 38.9190, -68.0041

Details

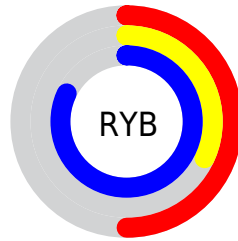
The Yxy color **15.1998, 0.2311, 0.1501** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **54.6906, 0.3604, 0.4918**, and the grayscale version is **15.4673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1854, 0.2579, 0.1908**, and **4.7229, 0.1994, 0.1058** is the 20% darker color. If you saturate the color by 10%, you get **11.5276, 0.2149, 0.1229**, and if you desaturate by 10%, it is **19.9829, 0.2474, 0.1804**.

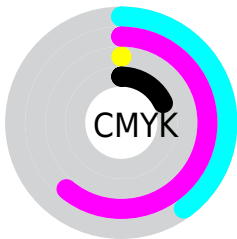
Distribution



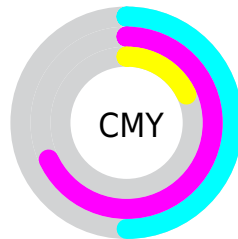
- Red (50%)
- Green (32%)
- Blue (82%)



- Red (50%)
- Yellow (32%)
- Blue (82%)



- Cyan (40%)
- Magenta (61%)
- Yellow (0%)
- Black (18%)





- Cyan (50%)
- Magenta (68%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1998, 0.2311, 0.1501 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 15.1998, 0.2311, 0.1501 by changing the saturation by 10% instead.


 15.1998, 0.2311,
0.1501


 15.1998, 0.2311,
0.1501


224.5724, 0.2792,
0.2391

 8.9597, 0.2173,
0.1297


 35.2033, 0.2501,
0.1815


 4.7149, 0.1988,
0.1051


 49.7355, 0.2568,
0.1936


 2.0810, 0.1735,
0.0762

 67.8006, 0.2623,
0.2040

 0.6539, 0.1387,
0.0426

 89.7829, 0.2669,
0.2130

 0.0000, 0.0915,
0.0000

 116.0668, 0.2707,
0.2208

 0.0000, 0.0000,
0.0000

147.0368, 0.2740,

0.2276

183.0772, 0.2768,
0.2337

■ 15.1998, 0.2311,
0.1501

■ 15.1998, 0.2311,
0.1501

■ 11.5276, 0.2149,
0.1229

■ 19.9829, 0.2474,
0.1804

■ 8.8676, 0.1997,
0.1005

■ 25.9608, 0.2631,
0.2120

■ 7.1051, 0.1864,
0.0843

■ 33.2108, 0.2775,
0.2434

■ 6.1025, 0.1763,
0.0745

■ 41.8032, 0.2905,
0.2734

■ 51.8028, 0.3020,
0.3013

■ 63.2705, 0.3119,
0.3267

■ 76.2633, 0.3203,
0.3496

■ 90.8352, 0.3274,
0.3700

■ 96.4098, 0.3358,
0.3736

Harmonies

Analogous

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



15.1998, 0.1436, 0.1345



15.1998, 0.2311, 0.1501



15.1998, 0.3737, 0.1952

Triad

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



15.1998, 0.2311, 0.1501



15.1998, 0.5527, 0.4295



15.1998, 0.1265, 0.3576

Complementary

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



15.1998, 0.2311, 0.1501



54.6906, 0.3604, 0.4918

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.



15.1998, 0.2102, 0.5519



15.1998, 0.2311, 0.1501



15.1998, 0.4525, 0.5370

Square

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



15.1998, 0.2311, 0.1501



15.1998, 0.5929, 0.3406



15.1998, 0.3284, 0.6141



15.1998, 0.0953, 0.2141

Rectangle

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



15.1998, 0.2311, 0.1501



15.1998, 0.4804, 0.2392



15.1998, 0.3284, 0.6141



15.1998, 0.1483, 0.4239

Sweetspot

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



15.2003, 0.2311, 0.1501



68.9168, 0.2938, 0.2813



33.4251, 0.2236, 0.2613



13.8258, 0.2903, 0.2728



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.



15.2003, 0.2311, 0.1501



16.5527, 0.2104, 0.1159



21.7358, 0.2980, 0.1795



11.6170, 0.3036, 0.3054



3.7741, 0.1777, 0.0753



0.2549, 0.1987, 0.0868

Inverse Universe

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



22.4496, 0.3757, 0.2318



29.1949, 0.3952, 0.2193



49.4727, 0.3141, 0.5187



11.9355, 0.3191, 0.3140



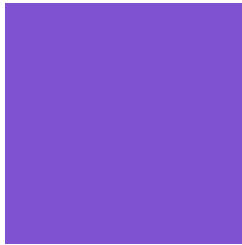
9.4642, 0.4336, 0.2162



0.5439, 0.4077, 0.2020

Previews

White Background



This preview shows how the Yxy color 15.1998, 0.2311, 0.1501 looks on a white background.

Color Contrast Check

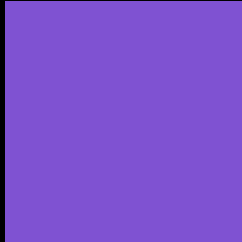
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1998, 0.2311, 0.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

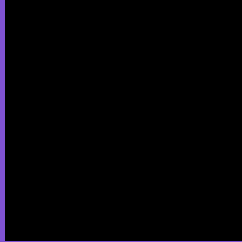
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1998, 0.2311, 0.1501

Background



This preview shows how black text looks on a background with the Yxy color 15.1998, 0.2311, 0.1501.



This preview shows how white text looks on a background with the Yxy color 15.1998, 0.2311, 0.1501.

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

15.1998, 0.2311, 0.1501

Protanopia

15.4309, 0.1739, 0.1461

Deuteranopia

15.3090, 0.1836, 0.1809



Tritanopia

15.0736, 0.2989, 0.3104

Trichromacy



Original Color

15.1998, 0.2311, 0.1501



Protanomaly

14.1922, 0.1799, 0.1414



Deuteranomaly

13.8653, 0.1864, 0.1604



Tritanomaly

14.7355, 0.2699, 0.2341

Monochromacy



Original Color

15.1998, 0.2311, 0.1501



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.9027, 0.2777, 0.2442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1998, 0.2311, 0.1501 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(127, 82, 210)` looks like.

```
.text, #text, p{  
    color:rgb(127, 82, 210)  
}
```

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(127, 82, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 82, 210) }
```

Border

The CSS property to change the border of an element to Yxy 15.1998, 0.2311, 0.1501 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(127, 82, 210) }
```

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

```
.border{ border-color:rgb(127, 82, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 82, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 82, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 82, 210);  
box-shadow:4px 4px 4px 4px rgb(127, 82,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1998, 0.2311, 0.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 82, 210) }
```

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

```
.background{ background-color: rgb(127, 82,  
210) }
```

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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