

Converting Colors

$Y_{xy}(16.5239, 0.2022, 0.1169)$

Have a look what the booklet for
Yxy(16.5239, 0.2022, 0.1169)
contains.

Yxy(16.4538, 0.2019, 0.1165)	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(16.4538, 0.2019, 0.1165)

Conversions

Conversions Part 1

Format	Color
Hex	794CFF
RGB	121, 76, 255
RGB Percent	47%, 30%, 100%
CMY	0.5255, 0.7019, 0.0001
CMYK	0.53, 0.70, 0.00, 0.00
HSL	255°, 100%, 65%
HSV	255°, 70%, 100%
XYZ	28.5152, 16.4538, 96.2653
YIQ	109.8610, -30.6390, 65.2090

Conversions

Conversions Part 2

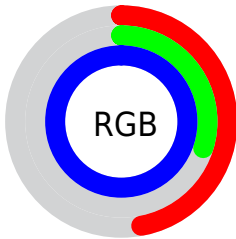
Format	Color
R _{YB}	121, 76, 255
Decimal	7949567
CIE _{Lab}	47.56, 60.74, -82.36
CIE _{LCh}	48, 102.335, 306.407
Yxy	16.4538, 0.2019, 0.1165
Android (android.graphics.Color)	4286139647 (0xFF794CFF)
YUV	109.8610, 71.5535, 9.7689
Hunter-Lab	40.5633, 54.4963, -112.3135

Details

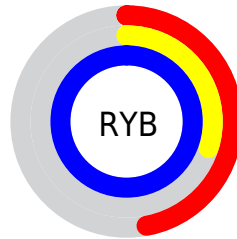
The Yxy color **16.4538, 0.2019, 0.1165** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **85.7343, 0.3757, 0.5061**, and the grayscale version is **15.3508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7256, 0.2566, 0.1854**, and **5.3221, 0.1665, 0.0758** is the 20% darker color. If you saturate the color by 10%, you get **12.3635, 0.1859, 0.0932**, and if you desaturate by 10%, it is **22.2090, 0.2196, 0.1453**.

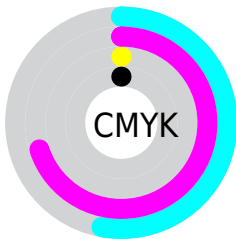
Distribution



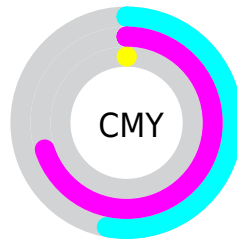
- Red (47%)
- Green (30%)
- Blue (100%)



- Red (47%)
- Yellow (30%)
- Blue (100%)



- Cyan (53%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4538, 0.2019, 0.1165 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 16.4538, 0.2019, 0.1165 by changing the saturation by 10% instead.


 16.4538, 0.2019,
0.1165


 16.4538, 0.2019,
0.1165


232.0048, 0.2637,
0.2132


 9.8458, 0.1862,
0.0972


 37.3842, 0.2249,
0.1483


 5.2969, 0.1664,
0.0755


 52.4755, 0.2335,
0.1613


 2.4225, 0.1416,
0.0520


 71.1634, 0.2407,
0.1727

 0.8374, 0.1105,
0.0285

 93.8322, 0.2467,
0.1828

 0.0000, 0.0741,
0.0000

 120.8663, 0.2519,
0.1917

 0.0000, 0.0181,
0.0000

152.6502, 0.2564,

 0.0000, 0.0000,

0.1996

0.0000

189.5682, 0.2603,
0.2068

■ 16.4538, 0.2019,
0.1165

■ 16.4538, 0.2019,
0.1165

■ 12.3635, 0.1859,
0.0932

■ 22.2090, 0.2196,
0.1453

■ 9.7452, 0.1728,
0.0767

■ 29.7896, 0.2379,
0.1773

■ 8.3112, 0.1631,
0.0672

■ 39.3380, 0.2558,
0.2106

■ 50.9819, 0.2725,
0.2434

■ 64.8381, 0.2876,
0.2743

■ 81.0148, 0.3009,
0.3029

99.6128, 0.3125,
0.3285

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



16.4538, 0.1088, 0.1012



16.4538, 0.2019, 0.1165



16.4538, 0.3755, 0.1634

Triad

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



16.4538, 0.2019, 0.1165



16.4538, 0.5908, 0.4092



16.4538, 0.0875, 0.3701

Complementary

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



16.4538, 0.2019, 0.1165



85.7343, 0.3757, 0.5061

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.



16.4538, 0.1758, 0.6502



16.4538, 0.2019, 0.1165



16.4538, 0.4555, 0.5445

Square

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



16.4538, 0.2019, 0.1165



16.4538, 0.6560, 0.3137



16.4538, 0.3095, 0.6905



16.4538, 0.0601, 0.1847

Rectangle

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



16.4538, 0.2019, 0.1165



16.4538, 0.5176, 0.2105



16.4538, 0.3095, 0.6905



16.4538, 0.1094, 0.4666

Sweetspot

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



16.4542, 0.2019, 0.1165



63.6362, 0.2864, 0.2719



54.9685, 0.2185, 0.2721



12.7641, 0.2824, 0.2635



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.



16.4542, 0.2019, 0.1165



11.2048, 0.1805, 0.0860



26.1273, 0.2772, 0.1532



17.5982, 0.3018, 0.3047



4.4023, 0.1645, 0.0680



0.4776, 0.1754, 0.0740

Inverse Universe

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



31.0818, 0.3682, 0.2064



27.0575, 0.3826, 0.1968



76.0783, 0.3205, 0.5428



18.2178, 0.3177, 0.3114



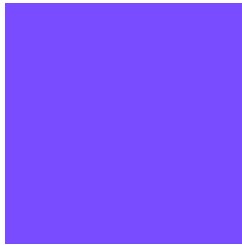
13.0979, 0.3969, 0.1960



1.2928, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 16.4538, 0.2019, 0.1165 looks on a white background.

Color Contrast Check

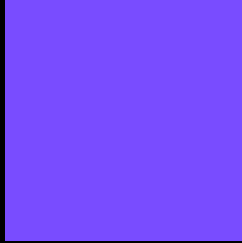
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4538, 0.2019, 0.1165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

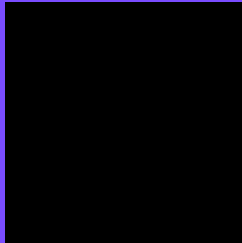
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4538, 0.2019, 0.1165

Background



This preview shows how black text looks on a background with the Yxy color 16.4538, 0.2019, 0.1165.



This preview shows how white text looks on a background with the Yxy color 16.4538, 0.2019, 0.1165.

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

16.4538, 0.2019, 0.1165

Protanopia

16.3823, 0.1739, 0.1461

Deuteranopia

16.2927, 0.1850, 0.1860



Tritanopia

16.2209, 0.2595, 0.3076

Trichromacy



Original Color

16.4538, 0.2019, 0.1165



Protanomaly

15.0743, 0.1744, 0.1273



Deuteranomaly

14.9048, 0.1808, 0.1469



Tritanomaly

15.1894, 0.2311, 0.2040

Monochromacy



Original Color

16.4538, 0.2019, 0.1165



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.9571, 0.2579, 0.2153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4538, 0.2019, 0.1165 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(121, 76, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 76, 255)  
}
```

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(121, 76, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 76, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.4538, 0.2019, 0.1165 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(121, 76, 255) }
```

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

```
.border{ border-color:rgb(121, 76, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 76, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 76, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 76, 255); box-shadow:4px 4px 4px 4px rgb(121, 76, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4538, 0.2019, 0.1165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 76, 255) }
```

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

```
.background{ background-color: rgb(121, 76,  
255) }
```

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