

Converting Colors

$Y_{xy}(19.4941, 0.2521, 0.1558)$

Have a look what the booklet for
Yxy(19.4941, 0.2521, 0.1558)
contains.

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Color

Yxy(19.4616, 0.2518, 0.1557)

Conversions

Conversions Part 1

Format	Color
Hex	A055E2
RGB	160, 85, 226
RGB Percent	63%, 33%, 89%
CMY	0.3726, 0.6667, 0.1137
CMYK	0.29, 0.62, 0.00, 0.11
HSL	272°, 71%, 61%
HSV	272°, 62%, 89%
XYZ	31.4735, 19.4616, 74.0591
YIQ	123.4990, -0.5610, 59.7510

Conversions

Conversions Part 2

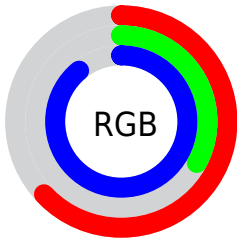
Format	Color
R _Y B	160, 85, 226
Decimal	10507746
CIE _{Lab}	51.22, 56.16, -59.99
CIE _{LCh}	51, 82.175, 313.115
Y _{xy}	19.4616, 0.2518, 0.1557
Android (android.graphics.Color)	4288697826 (0xFFA055E2)
YUV	123.4990, 50.5330, 32.0114
Hunter-Lab	44.1153, 50.1469, -68.6531

Details

The Yxy color **19.4616, 0.2518, 0.1557** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **61.6378, 0.3423, 0.5071**, and the grayscale version is **19.8110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3024, 0.2863, 0.2058**, and **6.7658, 0.2271, 0.1152** is the 20% darker color. If you saturate the color by 10%, you get **15.4094, 0.2392, 0.1319**, and if you desaturate by 10%, it is **24.7441, 0.2642, 0.1828**.

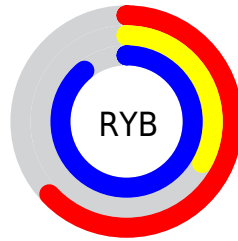
Distribution



Red (63%)

Green (33%)

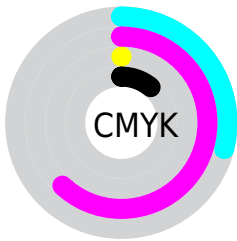
Blue (89%)



Red (63%)

Yellow (33%)

Blue (89%)

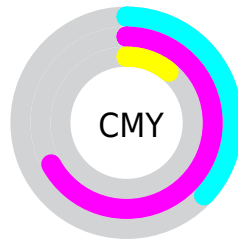


Cyan (29%)

Magenta (62%)

Yellow (0%)

Black (11%)



Cyan (37%)


Magenta (67%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4616, 0.2518, 0.1557 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 19.4616, 0.2518, 0.1557 by changing the saturation by 10% instead.


 19.4616, 0.2518,
0.1557


 19.4616, 0.2518,
0.1557


248.9853, 0.2880,
0.2386


 12.0043, 0.2414,
0.1373


 42.5127, 0.2661,
0.1844


 6.7466, 0.2275,
0.1152


 58.8752, 0.2711,
0.1956


 3.3041, 0.2084,
0.0891


 78.9749, 0.2753,
0.2053

 1.2925, 0.1813,
0.0590

 103.1962, 0.2787,
0.2137

 0.1354, 0.1449,
0.0116

 131.9235, 0.2816,
0.2211

 0.0000, 0.0796,
0.0000

165.5412, 0.2841,

 0.0000, 0.0000,

0.2277

0.0000

204.4337, 0.2862,
0.2335

■ 19.4616, 0.2518,
0.1557

■ 19.4616, 0.2518,
0.1557

■ 15.4094, 0.2392,
0.1319

■ 24.7441, 0.2642,
0.1828

■ 12.4704, 0.2269,
0.1127

■ 31.3547, 0.2758,
0.2118


■ 10.5075, 0.2154,
0.0990

■ 39.3837, 0.2865,
0.2413


■ 9.4990, 0.2074,
0.0916


■ 48.9125, 0.2959,
0.2701

■ 60.0162, 0.3042,
0.2976

 72.7648, 0.3112,
0.3232

 87.2241, 0.3171,
0.3467

 96.3610, 0.3231,
0.3577

 98.2718, 0.3297,
0.3572

Harmonies

Analogous

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



19.4616, 0.1547, 0.1350



19.4616, 0.2518, 0.1557



19.4616, 0.4017, 0.2056

Triad

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



19.4616, 0.2518, 0.1557



19.4616, 0.5380, 0.4464



19.4616, 0.1176, 0.3264

Complementary

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



19.4616, 0.2518, 0.1557



61.6378, 0.3423, 0.5071

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.



19.4616, 0.1922, 0.5228



19.4616, 0.2518, 0.1557



19.4616, 0.4305, 0.5530

Square

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



19.4616, 0.2518, 0.1557



19.4616, 0.5926, 0.3545



19.4616, 0.3074, 0.6172



19.4616, 0.0941, 0.1985

Rectangle

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



19.4616, 0.2518, 0.1557



19.4616, 0.5051, 0.2515



19.4616, 0.3074, 0.6172



19.4616, 0.1362, 0.3892

Sweetspot

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



19.4623, 0.2518, 0.1557



68.8367, 0.2987, 0.2793



30.2576, 0.2133, 0.2234



13.8756, 0.2963, 0.2712



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.



19.4623, 0.2518, 0.1557



18.9074, 0.2353, 0.1254



28.0321, 0.3218, 0.1879



13.6003, 0.3064, 0.3054



5.4898, 0.2090, 0.0925



0.4337, 0.2253, 0.1015

Inverse Universe

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



24.9036, 0.4141, 0.2565



27.2082, 0.4481, 0.2497



57.0258, 0.3024, 0.5276



13.8068, 0.3219, 0.3181



9.8392, 0.5086, 0.2576



0.7000, 0.4722, 0.2375

Previews

White Background



This preview shows how the Yxy color 19.4616, 0.2518, 0.1557 looks on a white background.

Color Contrast Check

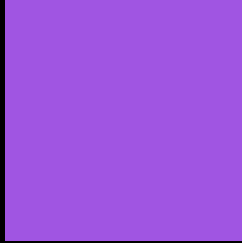
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.4616, 0.2518, 0.1557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

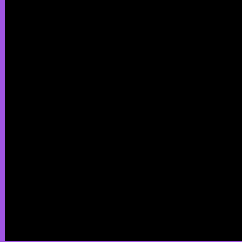
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4616, 0.2518, 0.1557

Background



This preview shows how black text looks on a background with the Yxy color 19.4616, 0.2518, 0.1557.



This preview shows how white text looks on a background with the Yxy color 19.4616, 0.2518, 0.1557.

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

19.4616, 0.2518, 0.1557

Protanopia

19.8590, 0.1737, 0.1454

Deuteranopia

19.7385, 0.1866, 0.1808



Tritanopia

19.4675, 0.3369, 0.3134

Trichromacy



Original Color

19.4616, 0.2518, 0.1557



Protanomaly

17.5585, 0.1811, 0.1396



Deuteranomaly

17.9501, 0.1965, 0.1626



Tritanomaly

18.8634, 0.3020, 0.2395

Monochromacy



Original Color

19.4616, 0.2518, 0.1557



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.0434, 0.2878, 0.2454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4616, 0.2518, 0.1557 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(160, 85, 226)` looks like.

```
.text, #text, p{  
    color:rgb(160, 85, 226)  
}
```

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(160, 85, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 85, 226) }
```

Border

The CSS property to change the border of an element to Yxy 19.4616, 0.2518, 0.1557 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(160, 85, 226) }
```

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

```
.border{ border-color:rgb(160, 85, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 85, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 85, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 85, 226);  
box-shadow:4px 4px 4px 4px rgb(160, 85,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4616, 0.2518, 0.1557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 85, 226) }
```

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

```
.background{ background-color: rgb(160, 85,  
226) }
```

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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