

Converting Colors

$Y_{xy}(18.8317, 0.2317, 0.1531)$

Have a look what the booklet for
Yxy(18.8317, 0.2317, 0.1531)
contains.

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Color

Yxy(18.9191, 0.2322, 0.1538)

Conversions

Conversions Part 1

Format	Color
Hex	8B5DE4
RGB	139, 93, 228
RGB Percent	55%, 36%, 89%
CMY	0.4549, 0.6353, 0.1060
CMYK	0.39, 0.59, 0.00, 0.11
HSL	260°, 71%, 63%
HSV	260°, 59%, 89%
XYZ	28.5632, 18.9191, 75.5288
YIQ	122.1440, -15.9190, 51.7370

Conversions

Conversions Part 2

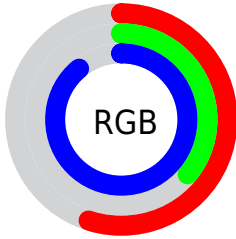
Format	Color
RYB	139, 93, 228
Decimal	9133540
CIELab	50.59, 47.87, -62.23
CIELCh	51, 78.513, 307.571
Yxy	18.9191, 0.2322, 0.1538
Android (android.graphics.Color)	4287323620 (0xFF8B5DE4)
YUV	122.1440, 52.1870, 14.7827
Hunter-Lab	43.4961, 41.0998, -72.5069

Details

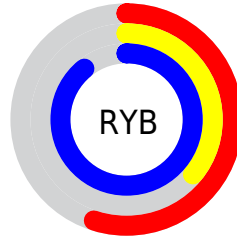
The Yxy color **18.9191, 0.2322, 0.1538** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **66.2078, 0.3609, 0.4877**, and the grayscale version is **19.3431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3411, 0.2694, 0.2070**, and **6.4556, 0.2024, 0.1117** is the 20% darker color. If you saturate the color by 10%, you get **14.2903, 0.2157, 0.1257**, and if you desaturate by 10%, it is **24.9196, 0.2488, 0.1847**.

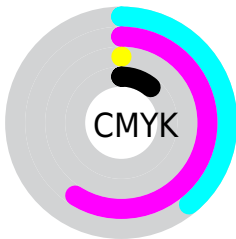
Distribution



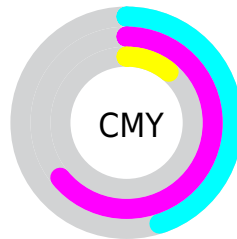
- Red (55%)
- Green (36%)
- Blue (89%)



- Red (55%)
- Yellow (36%)
- Blue (89%)



- Cyan (39%)
- Magenta (59%)
- Yellow (0%)
- Black (11%)





- Cyan (45%)
- Magenta (64%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9191, 0.2322, 0.1538 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 18.9191, 0.2322, 0.1538 by changing the saturation by 10% instead.

 18.9191, 0.2322,
0.1538


 18.9191, 0.2322,
0.1538


246.0018, 0.2782,
0.2383


 11.6118, 0.2196,
0.1349


 41.5974, 0.2499,
0.1831

 6.4800, 0.2030,
0.1125


 57.7371, 0.2563,
0.1946

 3.1391, 0.1809,
0.0859


 77.5899, 0.2616,
0.2044

 1.2048, 0.1507,
0.0556

 101.5400, 0.2660,
0.2130

 0.0656, 0.1119,
0.0057

129.9718, 0.2698,
0.2205

 0.0000, 0.0319,
0.0000

163.2698, 0.2730,

 0.0000, 0.0000,

0.2272

0.0000

201.8183, 0.2758,
0.2331

■ 18.9191, 0.2322,
0.1538

■ 18.9191, 0.2322,
0.1538

■ 14.2903, 0.2157,
0.1257

■ 24.9196, 0.2488,
0.1847

■ 10.9144, 0.2001,
0.1024

■ 32.3927, 0.2646,
0.2167

■ 8.6546, 0.1864,
0.0851

■ 41.4319, 0.2791,
0.2482


■ 7.2973, 0.1751,
0.0741

■ 52.1223, 0.2922,
0.2781

■ 7.2071, 0.1743,
0.0734

■ 64.5426, 0.3036,
0.3058

 78.7664, 0.3134,
0.3309

 94.8632, 0.3218,
0.3535

 98.3802, 0.3286,
0.3552

Harmonies

Analogous

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



18.9191, 0.1468, 0.1389



18.9191, 0.2322, 0.1538



18.9191, 0.3700, 0.1979

Triad

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



18.9191, 0.2322, 0.1538



18.9191, 0.5484, 0.4284



18.9191, 0.1325, 0.3599

Complementary

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



18.9191, 0.2322, 0.1538



66.2078, 0.3609, 0.4877

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.



18.9191, 0.2159, 0.5446



18.9191, 0.2322, 0.1538



18.9191, 0.4514, 0.5302

Square

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



18.9191, 0.2322, 0.1538



18.9191, 0.5848, 0.3415



18.9191, 0.3323, 0.6044



18.9191, 0.1003, 0.2196

Rectangle

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



18.9191, 0.2322, 0.1538



18.9191, 0.4730, 0.2411



18.9191, 0.3323, 0.6044



18.9191, 0.1545, 0.4234

Sweetspot

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



18.9197, 0.2322, 0.1538



68.8363, 0.2935, 0.2812



41.7898, 0.2260, 0.2665



13.8064, 0.2899, 0.2727



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.



18.9197, 0.2322, 0.1538



17.3161, 0.2121, 0.1200



26.4782, 0.2962, 0.1815



14.1247, 0.3033, 0.3051



4.2213, 0.1758, 0.0742



0.3617, 0.1919, 0.0831

Inverse Universe

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



27.6970, 0.3717, 0.2322



30.0144, 0.3895, 0.2191



59.9442, 0.3156, 0.5133



14.5274, 0.3190, 0.3136



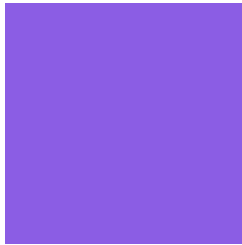
10.8243, 0.4300, 0.2142



0.8171, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 18.9191, 0.2322, 0.1538 looks on a white background.

Color Contrast Check

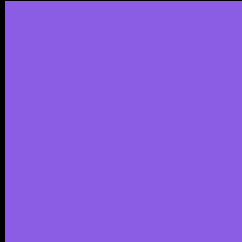
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9191, 0.2322, 0.1538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

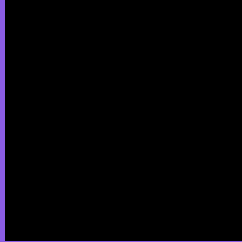
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9191, 0.2322, 0.1538

Background



This preview shows how black text looks on a background with the Yxy color 18.9191, 0.2322, 0.1538.



This preview shows how white text looks on a background with the Yxy color 18.9191, 0.2322, 0.1538.

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

18.9191, 0.2322, 0.1538

Protanopia

19.2062, 0.1735, 0.1447

Deuteranopia

19.1757, 0.1831, 0.1791



Tritanopia

18.8266, 0.2978, 0.3101

Trichromacy



Original Color

18.9191, 0.2322, 0.1538



Protanomaly

17.7202, 0.1799, 0.1419



Deuteranomaly

17.5126, 0.1864, 0.1615



Tritanomaly

18.2650, 0.2693, 0.2351

Monochromacy



Original Color

18.9191, 0.2322, 0.1538



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.5313, 0.2775, 0.2447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9191, 0.2322, 0.1538 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(139, 93, 228)` looks like.

```
.text, #text, p{  
    color:rgb(139, 93, 228)  
}
```

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(139, 93, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 93, 228) }
```

Border

The CSS property to change the border of an element to Yxy 18.9191, 0.2322, 0.1538 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(139, 93, 228) }
```

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

```
.border{ border-color:rgb(139, 93, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 93, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 93, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 93, 228);  
box-shadow:4px 4px 4px 4px rgb(139, 93,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9191, 0.2322, 0.1538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 93, 228) }
```

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

```
.background{ background-color: rgb(139, 93,  
228) }
```

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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