

Converting Colors

$Y_{xy}(18.9152, 0.2578, 0.1644)$

Have a look what the booklet for
Yxy(18.9152, 0.2578, 0.1644)
contains.

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Color

Yxy(18.8908, 0.2575, 0.1645)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 9D57D7 |
| RGB | 157, 87, 215 |
| RGB Percent | 62%, 34%, 84% |
| CMY | 0.3845, 0.6587, 0.1569 |
| CMYK | 0.27, 0.60, 0.00, 0.16 |
| HSL | 273°, 62%, 59% |
| HSV | 273°, 60%, 84% |
| XYZ | 29.5707, 18.8908, 66.3762 |
| YIQ | 122.5220, 0.6320, 54.6480 |

Conversions

Conversions Part 2

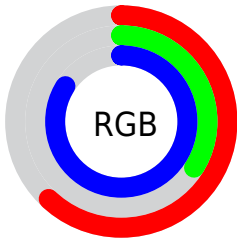
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 157, 87, 215 |
| Decimal | 10311639 |
| CIE Lab | 50.56, 51.91, -54.83 |
| CIE LCh | 51, 75.500, 313.434 |
| Yxy | 18.8908, 0.2575, 0.1645 |
| Android (android.graphics.Color) | 4288501719 (0xFF9D57D7) |
| YUV | 122.5220, 45.5917, 30.2372 |
| Hunter-Lab | 43.4635, 45.3824, -60.1214 |

Details

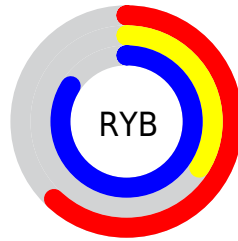
The Yxy color **18.8908, 0.2575, 0.1645** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **55.3161, 0.3405, 0.4995**, and the grayscale version is **19.4914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4232, 0.2838, 0.2069**, and **6.4720, 0.2346, 0.1242** is the 20% darker color. If you saturate the color by 10%, you get **14.9699, 0.2453, 0.1399**, and if you desaturate by 10%, it is **23.9279, 0.2693, 0.1920**.

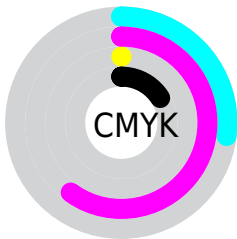
Distribution



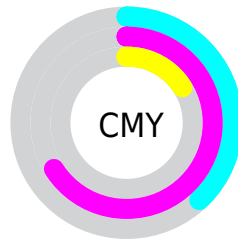
- Red (62%)
- Green (34%)
- Blue (84%)



- Red (62%)
- Yellow (34%)
- Blue (84%)



- Cyan (27%)
- Magenta (60%)
- Yellow (0%)
- Black (16%)





- Cyan (38%)
- Magenta (66%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8908, 0.2575, 0.1645 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 18.8908, 0.2575, 0.1645 by changing the saturation by 10% instead.


 18.8908, 0.2575,
0.1645


 18.8908, 0.2575,
0.1645


245.8453, 0.2907,
0.2449


 11.5914, 0.2477,
0.1460


 41.5495, 0.2708,
0.1927

 6.4661, 0.2344,
0.1237


 57.6776, 0.2754,
0.2037

 3.1305, 0.2157,
0.0966


 77.5173, 0.2792,
0.2130

 1.2002, 0.1886,
0.0646

 101.4532, 0.2823,
0.2212

 0.0619, 0.1520,
0.0066

129.8695, 0.2849,
0.2282

 0.0000, 0.0650,
0.0000

163.1507, 0.2872,

 0.0000, 0.0000,

0.2345

0.0000

201.6811, 0.2891,
0.2400

■ 18.8908, 0.2575,
0.1645

■ 18.8908, 0.2575,
0.1645

■ 14.9699, 0.2453,
0.1399

■ 23.9279, 0.2693,
0.1920

■ 12.0662, 0.2332,
0.1195

■ 30.1644, 0.2803,
0.2210

■ 10.0660, 0.2218,
0.1042

■ 37.6775, 0.2902,
0.2501

■ 8.7759, 0.2112,
0.0939

■ 46.5376, 0.2990,
0.2784

■ 8.7206, 0.2107,
0.0934

■ 56.8096, 0.3065,
0.3053

■ 68.5540, 0.3130,
0.3302

■ 81.8280, 0.3184,
0.3529

■ 94.0841, 0.3233,
0.3697

■ 95.7898, 0.3296,
0.3689

Harmonies

Analogous

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



18.8908, 0.1637, 0.1441



18.8908, 0.2575, 0.1645



18.8908, 0.3979, 0.2132

Triad

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



18.8908, 0.2575, 0.1645



18.8908, 0.5282, 0.4473



18.8908, 0.1279, 0.3268

Complementary

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



18.8908, 0.2575, 0.1645



55.3161, 0.3405, 0.4995

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.



18.8908, 0.2006, 0.5047



18.8908, 0.2575, 0.1645



18.8908, 0.4281, 0.5442

Square

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



18.8908, 0.2575, 0.1645



18.8908, 0.5767, 0.3591



18.8908, 0.3114, 0.5962



18.8908, 0.1040, 0.2067

Rectangle

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



18.8908, 0.2575, 0.1645



18.8908, 0.4933, 0.2578



18.8908, 0.3114, 0.5962



18.8908, 0.1463, 0.3841

Sweetspot

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



18.8915, 0.2575, 0.1645



70.3926, 0.3001, 0.2821



27.7245, 0.2170, 0.2262



14.1842, 0.2976, 0.2740



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.



18.8915, 0.2575, 0.1645



20.9802, 0.2427, 0.1351



25.9588, 0.3238, 0.1947



12.3396, 0.3066, 0.3055



5.2798, 0.2122, 0.0943



0.3673, 0.2302, 0.1042

Inverse Universe

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



23.3160, 0.4095, 0.2612



28.5539, 0.4412, 0.2535



51.3885, 0.3019, 0.5148



12.5136, 0.3221, 0.3185



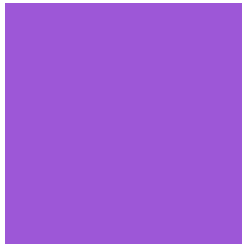
9.1841, 0.5142, 0.2606



0.5705, 0.4723, 0.2376

Previews

White Background



This preview shows how the Yxy color 18.8908, 0.2575, 0.1645 looks on a white background.

Color Contrast Check

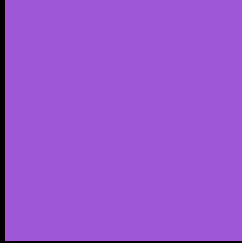
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8908, 0.2575, 0.1645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

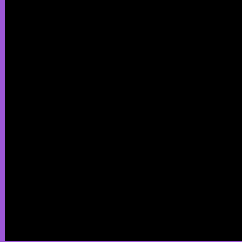
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8908, 0.2575, 0.1645

Background



This preview shows how black text looks on a background with the Yxy color 18.8908, 0.2575, 0.1645.



This preview shows how white text looks on a background with the Yxy color 18.8908, 0.2575, 0.1645.

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

18.8908, 0.2575, 0.1645

Protanopia

19.2428, 0.1756, 0.1467

Deuteranopia

19.2032, 0.1951, 0.1896



Tritanopia

18.8781, 0.3386, 0.3133

Trichromacy



Original Color

18.8908, 0.2575, 0.1645



Protanomaly

17.3458, 0.1872, 0.1448



Deuteranomaly

17.8141, 0.2078, 0.1726



Tritanomaly

18.5040, 0.3052, 0.2457

Monochromacy



Original Color

18.8908, 0.2575, 0.1645



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.7031, 0.2907, 0.2521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8908, 0.2575, 0.1645 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(157, 87, 215)` looks like.

```
.text, #text, p{  
    color:rgb(157, 87, 215)  
}
```

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(157, 87, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 87, 215) }
```

Border

The CSS property to change the border of an element to Yxy 18.8908, 0.2575, 0.1645 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(157, 87, 215) }
```

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

```
.border{ border-color:rgb(157, 87, 215) }
```

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

Here you see how a box with a 4 pixel rgb(157, 87, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 87, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 87, 215);  
box-shadow:4px 4px 4px 4px rgb(157, 87,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8908, 0.2575, 0.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 87, 215) }
```

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

```
.background{ background-color: rgb(157, 87,  
215) }
```

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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