

Converting Colors

$Y_{xy}(19.4104, 0.2532, 0.1687)$

Have a look what the booklet for
Yxy(19.4104, 0.2532, 0.1687)
contains.

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Color

Yxy(19.4104, 0.2532, 0.1687)

Conversions

Conversions Part 1

Format	Color
Hex	985DD7
RGB	152, 93, 215
RGB Percent	60%, 36%, 84%
CMY	0.4039, 0.6353, 0.1568
CMYK	0.29, 0.57, 0.00, 0.16
HSL	269°, 60%, 60%
HSV	269°, 57%, 84%
XYZ	29.1329, 19.4104, 66.5154
YIQ	124.5490, -3.9980, 50.4500

Conversions

Conversions Part 2

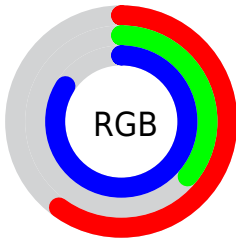
Format	Color
RYB	152, 93, 215
Decimal	9985495
CIELab	51.16, 47.62, -53.90
CIElCh	51, 71.924, 311.460
Yxy	19.4104, 0.2532, 0.1687
Android (android.graphics.Color)	4288175575 (0xFF985DD7)
YUV	124.5490, 44.5923, 24.0745
Hunter-Lab	44.0572, 40.9330, -58.6730

Details

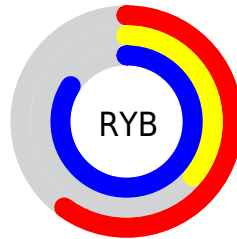
The Yxy color **19.4104, 0.2532, 0.1687** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **56.4697, 0.3459, 0.4885**, and the grayscale version is **20.1980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0261, 0.2791, 0.2102**, and **6.7178, 0.2291, 0.1289** is the 20% darker color. If you saturate the color by 10%, you get **15.1312, 0.2396, 0.1420**, and if you desaturate by 10%, it is **24.8521, 0.2664, 0.1978**.

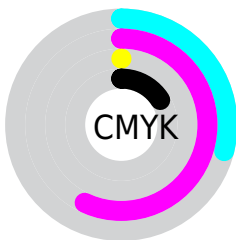
Distribution



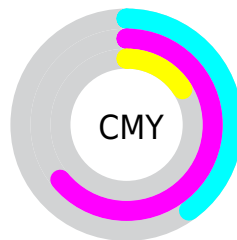
- Red (60%)
- Green (36%)
- Blue (84%)



- Red (60%)
- Yellow (36%)
- Blue (84%)



- Cyan (29%)
- Magenta (57%)
- Yellow (0%)
- Black (16%)





- Cyan (40%)
- Magenta (64%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4104, 0.2532, 0.1687 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 19.4104, 0.2532, 0.1687 by changing the saturation by 10% instead.


 19.4104, 0.2532,
0.1687


 19.4104, 0.2532,
0.1687


248.7051, 0.2883,
0.2474


 11.9672, 0.2430,
0.1505


 42.4264, 0.2671,
0.1964

 6.7213, 0.2293,
0.1283


 58.7681, 0.2720,
0.2072

 3.2884, 0.2102,
0.1013


 78.8446, 0.2760,
0.2163

 1.2841, 0.1827,
0.0691

 103.0405, 0.2793,
0.2243

 0.1289, 0.1452,
0.0137

131.7401, 0.2821,
0.2312

 0.0000, 0.0555,
0.0000

165.3278, 0.2845,

 0.0000, 0.0000,

0.2372

0.0000

204.1880, 0.2865,
0.2426

■ 19.4104, 0.2532,
0.1687

■ 19.4104, 0.2532,
0.1687

■ 15.1312, 0.2396,
0.1420

■ 24.8521, 0.2664,
0.1978

■ 11.9183, 0.2260,
0.1193

■ 31.5378, 0.2786,
0.2278

■ 9.6624, 0.2132,
0.1017

■ 39.5438, 0.2896,
0.2574

■ 8.2226, 0.2017,
0.0897

■ 48.9394, 0.2993,
0.2858

■ 7.8507, 0.1982,
0.0866

■ 59.7892, 0.3078,
0.3123

■ 72.1535, 0.3149,
0.3367

■ 86.0892, 0.3209,
0.3588

■ 95.0982, 0.3271,
0.3692

■ 97.1101, 0.3343,
0.3683

Harmonies

Analogous

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



19.4104, 0.1656, 0.1508



19.4104, 0.2532, 0.1687



19.4104, 0.3845, 0.2145

Triad

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



19.4104, 0.2532, 0.1687



19.4104, 0.5261, 0.4406



19.4104, 0.1392, 0.3384

Complementary

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



19.4104, 0.2532, 0.1687



56.4697, 0.3459, 0.4885

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.



19.4104, 0.2137, 0.5032



19.4104, 0.2532, 0.1687



19.4104, 0.4339, 0.5314

Square

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



19.4104, 0.2532, 0.1687



19.4104, 0.5648, 0.3561



19.4104, 0.3222, 0.5812



19.4104, 0.1120, 0.2187

Rectangle

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



19.4104, 0.2532, 0.1687



19.4104, 0.4757, 0.2573



19.4104, 0.3222, 0.5812



19.4104, 0.1586, 0.3929

Sweetspot

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



19.4111, 0.2532, 0.1687



71.3916, 0.2990, 0.2846



31.0242, 0.2232, 0.2415



14.6480, 0.2971, 0.2790



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.



19.4111, 0.2532, 0.1687



21.2444, 0.2370, 0.1374



26.8786, 0.3168, 0.1952



12.3005, 0.3056, 0.3054



4.7571, 0.1997, 0.0874



0.3361, 0.2189, 0.0979

Inverse Universe

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



24.6774, 0.3918, 0.2548



30.1796, 0.4178, 0.2444



51.8363, 0.3053, 0.5104



12.5268, 0.3211, 0.3170



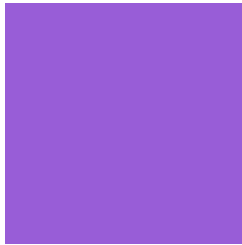
9.3492, 0.4878, 0.2461



0.5806, 0.4512, 0.2259

Previews

White Background



This preview shows how the Yxy color 19.4104, 0.2532, 0.1687 looks on a white background.

Color Contrast Check

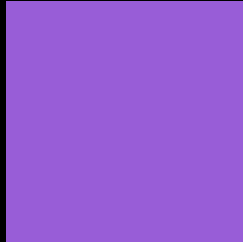
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4104, 0.2532, 0.1687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

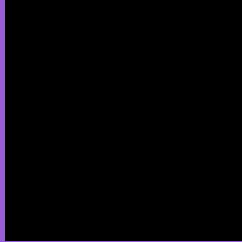
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4104, 0.2532, 0.1687

Background



This preview shows how black text looks on a background with the Yxy color 19.4104, 0.2532, 0.1687.



This preview shows how white text looks on a background with the Yxy color 19.4104, 0.2532, 0.1687.

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

19.4104, 0.2532, 0.1687

Protanopia

19.8656, 0.1815, 0.1539

Deuteranopia

19.6392, 0.1970, 0.1907



Tritanopia

19.4632, 0.3262, 0.3131

Trichromacy



Original Color

19.4104, 0.2532, 0.1687



Protanomaly

18.6483, 0.1957, 0.1541



Deuteranomaly

18.5668, 0.2100, 0.1775



Tritanomaly

18.9445, 0.2968, 0.2478

Monochromacy



Original Color

19.4104, 0.2532, 0.1687



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.4298, 0.2887, 0.2542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4104, 0.2532, 0.1687 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(152, 93, 215)` looks like.

```
.text, #text, p{  
    color:rgb(152, 93, 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(152, 93, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 93, 215) }
```

Border

The CSS property to change the border of an element to Yxy 19.4104, 0.2532, 0.1687 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(152, 93, 215) }
```

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

```
.border{ border-color:rgb(152, 93, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 93, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 93, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 93, 215);  
box-shadow:4px 4px 4px 4px rgb(152, 93,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4104, 0.2532, 0.1687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 93, 215) }
```

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

```
.background{ background-color: rgb(152, 93,  
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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