

Converting Colors

$Y_{xy}(18.4722, 0.2642, 0.1835)$

Have a look what the booklet for
Yxy(18.4722, 0.2642, 0.1835)
contains.

Yxy(18.4722, 0.2642, 0.1835)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.4722, 0.2642, 0.1835)

Conversions

Conversions Part 1

Format	Color
Hex	955EC6
RGB	149, 94, 198
RGB Percent	58%, 37%, 78%
CMY	0.4155, 0.6314, 0.2235
CMYK	0.25, 0.53, 0.00, 0.22
HSL	272°, 48%, 57%
HSV	272°, 53%, 78%
XYZ	26.5959, 18.4722, 55.5978
YIQ	122.3010, -0.6040, 44.0040

Conversions

Conversions Part 2

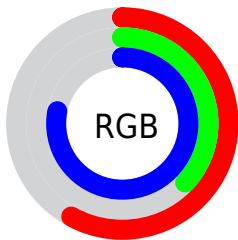
Format	Color
R _Y B	149, 94, 198
Decimal	9789126
CIE Lab	50.06, 42.28, -45.95
CIE LCh	50, 62.443, 312.615
Yxy	18.4722, 0.2642, 0.1835
Android (android.graphics.Color)	4287979206 (0xFF955EC6)
YUV	122.3010, 37.3196, 23.4150
Hunter-Lab	42.9793, 35.2435, -46.6117

Details

The Yxy color **18.4722, 0.2642, 0.1835** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **47.0383, 0.3406, 0.4777**, and the grayscale version is **19.4417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7569, 0.2759, 0.2102**, and **6.2928, 0.2438, 0.1445** is the 20% darker color. If you saturate the color by 10%, you get **14.5501, 0.2519, 0.1565**, and if you desaturate by 10%, it is **23.3691, 0.2758, 0.2123**.

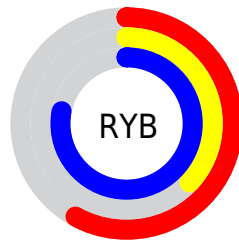
Distribution



Red (58%)

Green (37%)

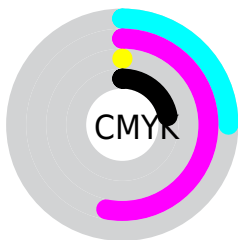
Blue (78%)



Red (58%)

Yellow (37%)

Blue (78%)

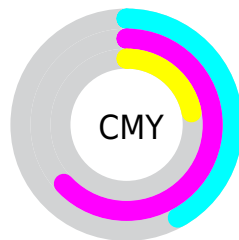


Cyan (25%)

Magenta (53%)

Yellow (0%)

Black (22%)



Cyan (42%)


Magenta (63%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4722, 0.2642, 0.1835 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 18.4722, 0.2642, 0.1835 by changing the saturation by 10% instead.


 18.4722, 0.2642,
0.1835


 18.4722, 0.2642,
0.1835


243.5193, 0.2935,
0.2572

 11.2895, 0.2553,
0.1656


 40.8403, 0.2760,
0.2101


 6.2619, 0.2430,
0.1433


 56.7945, 0.2801,
0.2202

 3.0050, 0.2253,
0.1152

 76.4414, 0.2834,
0.2287

 1.1343, 0.1984,
0.0801

 100.1653, 0.2862,
0.2360

 0.0071, 0.1623,
0.0011

128.3507, 0.2884,
0.2424

 0.0000, 0.0000,
0.0000

161.3819, 0.2904,

0.2479

199.6433, 0.2920,
0.2528

■ 18.4722, 0.2642,
0.1835

■ 18.4722, 0.2642,
0.1835

■ 14.5501, 0.2519,
0.1565

■ 23.3691, 0.2758,
0.2123

■ 11.5284, 0.2394,
0.1327

■ 29.3032, 0.2864,
0.2416

■ 9.3251, 0.2271,
0.1134

■ 36.3342, 0.2958,
0.2702

■ 7.8413, 0.2156,
0.0994

■ 44.5167, 0.3041,
0.2975

■ 7.0684, 0.2077,
0.0918

■ 53.9013, 0.3111,
0.3229

■ 64.5356, 0.3171,
0.3462

■ 76.4647, 0.3220,
0.3673

■ 89.7313, 0.3262,
0.3864

■ 92.9110, 0.3319,
0.3877

Harmonies

Analogous

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



18.4722, 0.1813, 0.1658



18.4722, 0.2642, 0.1835



18.4722, 0.3822, 0.2274

Triad

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



18.4722, 0.2642, 0.1835



18.4722, 0.5070, 0.4409



18.4722, 0.1544, 0.3344

Complementary

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



18.4722, 0.2642, 0.1835



47.0383, 0.3406, 0.4777

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.



18.4722, 0.2231, 0.4747



18.4722, 0.2642, 0.1835



18.4722, 0.4251, 0.5182

Square

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



18.4722, 0.2642, 0.1835



18.4722, 0.5395, 0.3624



18.4722, 0.3228, 0.5500



18.4722, 0.1284, 0.2290

Rectangle

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



18.4722, 0.2642, 0.1835



18.4722, 0.4615, 0.2680



18.4722, 0.3228, 0.5500



18.4722, 0.1724, 0.3809

Sweetspot

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



18.4729, 0.2642, 0.1835



73.2116, 0.3012, 0.2876



26.4831, 0.2287, 0.2440



15.0202, 0.2995, 0.2819



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.



18.4729, 0.2642, 0.1835



24.9153, 0.2501, 0.1529



24.0080, 0.3205, 0.2063



10.5591, 0.3064, 0.3057



4.6474, 0.2090, 0.0925



0.2629, 0.2313, 0.1048

Inverse Universe

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



21.9917, 0.3897, 0.2657



32.2294, 0.4161, 0.2553



43.6125, 0.3040, 0.4927



10.7187, 0.3217, 0.3182



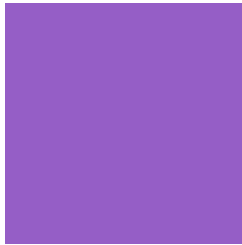
8.3411, 0.5062, 0.2562



0.4096, 0.4576, 0.2295

Previews

White Background



This preview shows how the Yxy color 18.4722, 0.2642, 0.1835 looks on a white background.

Color Contrast Check

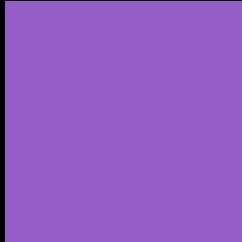
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4722, 0.2642, 0.1835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

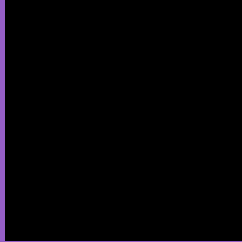
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4722, 0.2642, 0.1835

Background



This preview shows how black text looks on a background with the Yxy color 18.4722, 0.2642, 0.1835.



This preview shows how white text looks on a background with the Yxy color 18.4722, 0.2642, 0.1835.

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

18.4722, 0.2642, 0.1835

Protanopia

18.7985, 0.1946, 0.1714

Deuteranopia

18.7791, 0.2113, 0.2062



Tritanopia

18.4496, 0.3319, 0.3129

Trichromacy



Original Color

18.4722, 0.2642, 0.1835

Protanomaly

17.9697, 0.2121, 0.1729

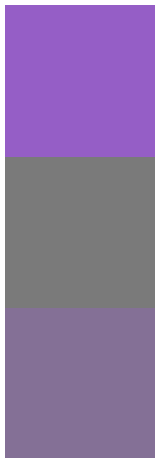
Deuteranomaly

18.1338, 0.2255, 0.1946

Tritanomaly

18.1728, 0.3047, 0.2558

Monochromacy



Original Color

18.4722, 0.2642, 0.1835

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.6959, 0.2937, 0.2638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4722, 0.2642, 0.1835 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(149, 94, 198)` looks like.

```
.text, #text, p{  
  color:rgb(149, 94, 198)  
}
```

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(149, 94, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 94, 198) }
```

Border

The CSS property to change the border of an element to Yxy 18.4722, 0.2642, 0.1835 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(149, 94, 198) }
```

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

```
.border{ border-color:rgb(149, 94, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 94, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 94, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 94, 198);  
box-shadow:4px 4px 4px 4px rgb(149, 94,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4722, 0.2642, 0.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 94, 198) }
```

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

```
.background{ background-color: rgb(149, 94,  
198) }
```

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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