

Converting Colors

$Y_{xy}(18.8983, 0.3188, 0.2456)$

Have a look what the booklet for
Yxy(18.8983, 0.3188, 0.2456)
contains.

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Color

Yxy(18.8420, 0.3192, 0.2457)

Conversions

Conversions Part 1

Format	Color
Hex	9D659B
RGB	157, 101, 155
RGB Percent	62%, 40%, 61%
CMY	0.3842, 0.6040, 0.3921
CMYK	0.00, 0.36, 0.01, 0.38
HSL	302°, 22%, 51%
HSV	302°, 36%, 62%
XYZ	24.4785, 18.8420, 33.3665
YIQ	123.9000, 16.0420, 28.6660

Conversions

Conversions Part 2

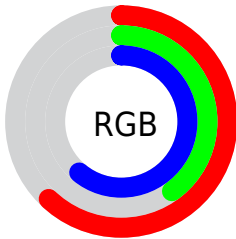
Format	Color
R_{YB}	157, 101, 155
Decimal	10315163
CIE _{Lab}	50.50, 31.47, -20.18
CIE _{LCh}	51, 37.385, 327.330
Yxy	18.8420, 0.3192, 0.2457
Android (android.graphics.Color)	4288505243 (0xFF9D659B)
YUV	123.9000, 15.3323, 29.0287
Hunter-Lab	43.4074, 24.6977, -15.1901

Details

The Yxy color $18.8420, 0.3192, 0.2457$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $27.8650, 0.3062, 0.4294$, and the grayscale version is $20.0655, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.4327, 0.3177, 0.2623$, and $6.3985, 0.3180, 0.2157$ is the 20% darker color. If you saturate the color by 10%, you get $16.0611, 0.3212, 0.2238$, and if you desaturate by 10%, it is $22.2072, 0.3173, 0.2689$.

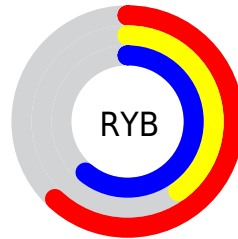
Distribution



Red (62%)

Green (40%)

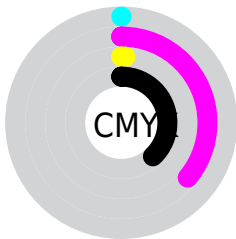
Blue (61%)



Red (62%)

Yellow (40%)

Blue (61%)

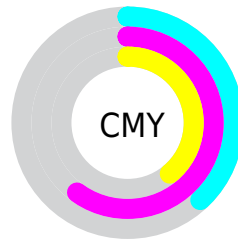


Cyan (0%)

Magenta (36%)

Yellow (1%)

Black (38%)



Cyan (38%)


Magenta (60%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8420, 0.3192, 0.2457 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 18.8420, 0.3192, 0.2457 by changing the saturation by 10% instead.


 18.8420, 0.3192,
0.2457


 18.8420, 0.3192,
0.2457


245.5751, 0.3166,
0.2906


 11.5562, 0.3195,
0.2334


 41.4669, 0.3185,
0.2628


 6.4422, 0.3195,
0.2170


 57.5748, 0.3182,
0.2690

 3.1158, 0.3189,
0.1942

 77.3922, 0.3179,
0.2741

 1.1925, 0.3163,
0.1604

 101.3035, 0.3176,
0.2784

 0.0556, 0.3362,
0.0228

129.6930, 0.3173,
0.2821

 0.0000, 0.0000,
0.0000

162.9452, 0.3171,

0.2853

201.4444, 0.3168,
0.2881

■ 18.8420, 0.3192,
0.2457

■ 18.8420, 0.3192,
0.2457

■ 16.0611, 0.3212,
0.2238

■ 22.2072, 0.3173,
0.2689

■ 13.8287, 0.3231,
0.2041

■ 26.1847, 0.3154,
0.2926

■ 12.1089, 0.3249,
0.1874

■ 30.8040, 0.3137,
0.3160

■ 10.8607, 0.3266,
0.1744

■ 36.0918, 0.3120,
0.3387

■ 10.0367, 0.3281,
0.1656

■ 42.0732, 0.3106,
0.3601

■ 9.5731, 0.3294,
0.1607

■ 48.7722, 0.3093,
0.3802

■ 9.4181, 0.3299,
0.1591

■ 56.2114, 0.3081,
0.3987

■ 64.4128, 0.3070,
0.4157

■ 73.3970, 0.3061,
0.4312

Harmonies

Analogous

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



18.8420, 0.2533, 0.2239



18.8420, 0.3192, 0.2457



18.8420, 0.3908, 0.2848

Triad

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



18.8420, 0.3192, 0.2457



18.8420, 0.4205, 0.4345



18.8420, 0.1984, 0.3020

Complementary

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



18.8420, 0.3192, 0.2457



27.8650, 0.3062, 0.4294

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.



18.8420, 0.2346, 0.3752



18.8420, 0.3192, 0.2457



18.8420, 0.3623, 0.4587

Square

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



18.8420, 0.3192, 0.2457



18.8420, 0.4515, 0.3874



18.8420, 0.2941, 0.4387



18.8420, 0.1901, 0.2489

Rectangle

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



18.8420, 0.3192, 0.2457



18.8420, 0.4287, 0.3172



18.8420, 0.2941, 0.4387



18.8420, 0.2074, 0.3251

Sweetspot

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



18.8428, 0.3192, 0.2457



50.4347, 0.3146, 0.3031



14.6158, 0.2518, 0.2256



10.8763, 0.3148, 0.3002



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.8428, 0.3192, 0.2457



29.6040, 0.3208, 0.2277



18.0114, 0.3565, 0.2867



6.7505, 0.3143, 0.3077



7.6485, 0.3298, 0.1591



0.1379, 0.3260, 0.1569

Inverse Universe

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



18.8428, 0.3192, 0.2457



29.6040, 0.3208, 0.2277



28.5212, 0.2837, 0.3761



6.7505, 0.3143, 0.3077



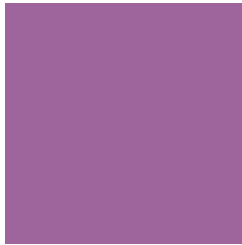
7.6485, 0.3298, 0.1591



0.1379, 0.3260, 0.1569

Previews

White Background



This preview shows how the Yxy color 18.8420, 0.3192, 0.2457 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 18.8420, 0.3192, 0.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

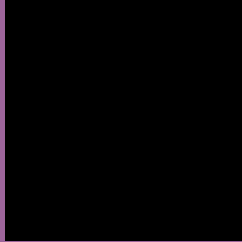
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8420, 0.3192, 0.2457

Background



This preview shows how black text looks on a background with the Yxy color 18.8420, 0.3192, 0.2457.



This preview shows how white text looks on a background with the Yxy color 18.8420, 0.3192, 0.2457.

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

18.8420, 0.3192, 0.2457

Protanopia

19.0241, 0.2492, 0.2433

Deuteranopia

18.9369, 0.2740, 0.2681



Tritanopia

18.8970, 0.3613, 0.3157

Trichromacy



Original Color

18.8420, 0.3192, 0.2457

Protanomaly

18.5178, 0.2713, 0.2425

Deuteranomaly

18.7135, 0.2893, 0.2590

Tritanomaly

18.8168, 0.3457, 0.2881

Monochromacy



Original Color

18.8420, 0.3192, 0.2457

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.4743, 0.3155, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8420, 0.3192, 0.2457 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, 101, 155)` looks like.

```
.text, #text, p{  
    color:rgb(157, 101, 155)  
}
```

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, 101, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 101, 155) }
```

Border

The CSS property to change the border of an element to Yxy 18.8420, 0.3192, 0.2457 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, 101, 155) }
```

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

```
.border{ border-color:rgb(157, 101, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 101, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 101, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 101, 155);  
box-shadow:4px 4px 4px 4px rgb(157, 101,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8420, 0.3192, 0.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 101, 155) }
```

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

```
.background{ background-color: rgb(157,  
101, 155) }
```

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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