

Converting Colors

$Y_{xy}(18.7455, 0.3098, 0.2430)$

Have a look what the booklet for
Yxy(18.7455, 0.3098, 0.2430)
contains.

Yxy(18.8445, 0.3092, 0.2430)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.8445, 0.3092, 0.2430)

Conversions

Conversions Part 1

Format	Color
Hex	98679E
RGB	152, 103, 158
RGB Percent	60%, 40%, 62%
CMY	0.4037, 0.5962, 0.3803
CMYK	0.04, 0.35, 0.00, 0.38
HSL	293°, 22%, 51%
HSV	293°, 35%, 62%
XYZ	23.9783, 18.8445, 34.7266
YIQ	123.9210, 11.5490, 27.4930

Conversions

Conversions Part 2

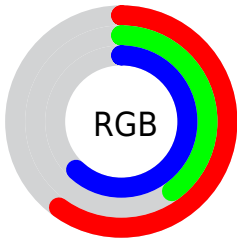
Format	Color
R_{YB}	152, 103, 158
Decimal	9987998
CIE _{Lab}	50.50, 29.28, -21.98
CIE _{LCh}	51, 36.610, 323.097
Yxy	18.8445, 0.3092, 0.2430
Android (android.graphics.Color)	4288178078 (0xFF98679E)
YUV	123.9210, 16.8009, 24.6253
Hunter-Lab	43.4103, 22.6291, -17.0427

Details

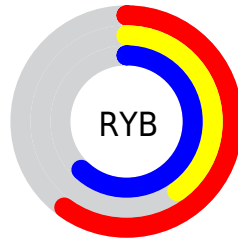
The Yxy color **18.8445, 0.3092, 0.2430** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.6842, 0.3135, 0.4287**, and the grayscale version is **20.0692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5122, 0.3104, 0.2605**, and **6.4823, 0.3064, 0.2153** is the 20% darker color. If you saturate the color by 10%, you get **15.8302, 0.3075, 0.2189**, and if you desaturate by 10%, it is **22.4568, 0.3106, 0.2680**.

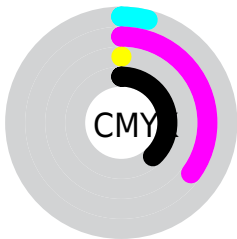
Distribution



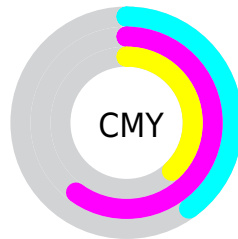
- Red (60%)
- Green (40%)
- Blue (62%)



- Red (60%)
- Yellow (40%)
- Blue (62%)



- Cyan (4%)
- Magenta (35%)
- Yellow (0%)
- Black (38%)




- Cyan (40%)
- Magenta (60%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8445, 0.3092, 0.2430 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 18.8445, 0.3092, 0.2430 by changing the saturation by 10% instead.

 18.8445, 0.3092,
0.2430


 18.8445, 0.3092,
0.2430


245.5890, 0.3123,
0.2893


 11.5580, 0.3078,
0.2304


 41.4712, 0.3108,
0.2606


 6.4435, 0.3055,
0.2135


 57.5801, 0.3112,
0.2670

 3.1166, 0.3015,
0.1901

 77.3986, 0.3115,
0.2723

 1.1929, 0.2934,
0.1557

 101.3112, 0.3118,
0.2767

 0.0559, 0.2987,
0.0217

129.7021, 0.3120,
0.2806

 0.0000, 0.0000,
0.0000

162.9557, 0.3121,

0.2839

201.4566, 0.3122,
0.2867

■ 18.8445, 0.3092,
0.2430

■ 18.8445, 0.3092,
0.2430

■ 15.8302, 0.3075,
0.2189

■ 22.4568, 0.3106,
0.2680

■ 13.3778, 0.3056,
0.1967

■ 26.6956, 0.3116,
0.2931

■ 11.4514, 0.3033,
0.1774


■ 31.5904, 0.3124,
0.3175

■ 10.0095, 0.3008,
0.1616


■ 37.1684, 0.3130,
0.3409

■ 9.0046, 0.2982,
0.1499


■ 43.4549, 0.3133,
0.3629


 8.3776, 0.2955,
0.1425

 50.4741, 0.3135,
0.3833

 8.1224, 0.2941,
0.1394

 58.2491, 0.3136,
0.4020

 66.8019, 0.3135,
0.4191

 76.1535, 0.3134,
0.4346

Harmonies

Analogous

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



18.8445, 0.2469, 0.2243



18.8445, 0.3092, 0.2430



18.8445, 0.3799, 0.2794

Triad

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



18.8445, 0.3092, 0.2430



18.8445, 0.4248, 0.4270



18.8445, 0.2039, 0.3120

Complementary

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



18.8445, 0.3092, 0.2430



28.6842, 0.3135, 0.4287

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.



18.8445, 0.2433, 0.3845



18.8445, 0.3092, 0.2430



18.8445, 0.3706, 0.4549

Square

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



18.8445, 0.3092, 0.2430



18.8445, 0.4501, 0.3794



18.8445, 0.3040, 0.4419



18.8445, 0.1917, 0.2563

Rectangle

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



18.8445, 0.3092, 0.2430



18.8445, 0.4196, 0.3105



18.8445, 0.3040, 0.4419



18.8445, 0.2141, 0.3355

Sweetspot

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



18.8453, 0.3092, 0.2430



52.4381, 0.3120, 0.3045



16.3738, 0.2531, 0.2399



11.5605, 0.3119, 0.3013



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.8453, 0.3092, 0.2430



29.7584, 0.3079, 0.2237



18.7701, 0.3437, 0.2750



6.7181, 0.3121, 0.3068



6.5144, 0.2943, 0.1395



0.1259, 0.3057, 0.1458

Inverse Universe

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



18.0692, 0.3837, 0.3194



28.1756, 0.4084, 0.3172



28.7973, 0.2909, 0.3903



6.6573, 0.3268, 0.3266



5.8577, 0.6240, 0.3211



0.1077, 0.5612, 0.2865

Previews

White Background



This preview shows how the Yxy color 18.8445, 0.3092, 0.2430 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 18.8445, 0.3092, 0.2430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

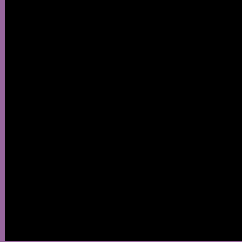
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8445, 0.3092, 0.2430

Background



This preview shows how black text looks on a background with the Yxy color 18.8445, 0.3092, 0.2430.



This preview shows how white text looks on a background with the Yxy color 18.8445, 0.3092, 0.2430.

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

18.8445, 0.3092, 0.2430

Protanopia

19.0992, 0.2477, 0.2404

Deuteranopia

18.9008, 0.2690, 0.2630



Tritanopia

18.9038, 0.3511, 0.3154

Trichromacy



Original Color

18.8445, 0.3092, 0.2430

Protanomaly

18.7010, 0.2665, 0.2394

Deuteranomaly

18.7997, 0.2827, 0.2555

Tritanomaly

18.8081, 0.3359, 0.2873

Monochromacy



Original Color

18.8445, 0.3092, 0.2430

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.3367, 0.3119, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8445, 0.3092, 0.2430 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, 103, 158)` looks like.

```
.text, #text, p{  
    color:rgb(152, 103, 158)  
}
```

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, 103, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 103, 158) }
```

Border

The CSS property to change the border of an element to Yxy 18.8445, 0.3092, 0.2430 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, 103, 158) }
```

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

```
.border{ border-color:rgb(152, 103, 158) }
```

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

Here you see how a box with a 4 pixel rgb(152, 103, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 103, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 103, 158);  
box-shadow:4px 4px 4px 4px rgb(152, 103,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8445, 0.3092, 0.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 103, 158) }
```

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

```
.background{ background-color: rgb(152,  
103, 158) }
```

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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