

Converting Colors

$Y_{xy}(18.9765, 0.2428, 0.3106)$

Have a look what the booklet for
Yxy(18.9765, 0.2428, 0.3106)
contains.

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Color

Yxy(18.9532, 0.2427, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	41828B
RGB	65, 130, 139
RGB Percent	25%, 51%, 55%
CMY	0.7450, 0.4902, 0.4549
CMYK	0.53, 0.06, 0.00, 0.45
HSL	187°, 36%, 40%
HSV	187°, 53%, 55%
XYZ	14.8242, 18.9532, 27.3029
YIQ	111.5910, -41.6290, -10.9810

Conversions

Conversions Part 2

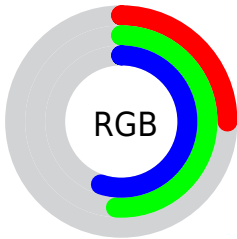
Format	Color
RYB	65, 100, 139
Decimal	4293259
CIELab	50.63, -18.07, -11.24
CIElCh	51, 21.276, 211.876
Yxy	18.9532, 0.2427, 0.3103
Android (android.graphics.Color)	4282483339 (0xFF41828B)
YUV	111.5910, 13.5126, -40.8603
Hunter-Lab	43.5353, -15.4058, -6.7087

Details

The Yxy color **18.9532, 0.2427, 0.3103** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.7730, 0.4509, 0.3456**, and the grayscale version is **16.0487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5947, 0.2585, 0.3157**, and **6.4586, 0.2165, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **18.0899, 0.2335, 0.3062**, and if you desaturate by 10%, it is **19.9421, 0.2535, 0.3143**.

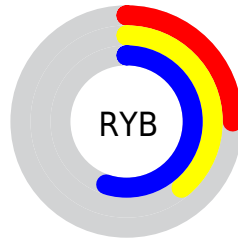
Distribution



Red (25%)

Green (51%)

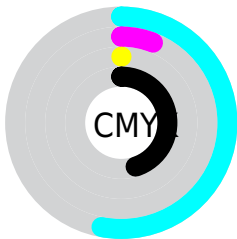
Blue (55%)



Red (25%)

Yellow (39%)

Blue (55%)

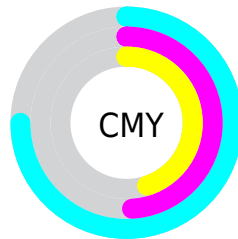


Cyan (53%)

Magenta (6%)

Yellow (0%)

Black (45%)



Cyan (75%)


Magenta (49%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9532, 0.2427, 0.3103 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 18.9532, 0.2427, 0.3103 by changing the saturation by 10% instead.


 18.9532, 0.2427,
0.3103


 18.9532, 0.2427,
0.3103


246.1903, 0.2820,
0.3219


 11.6365, 0.2312,
0.3063


 41.6550, 0.2582,
0.3152

 6.4967, 0.2153,
0.3004


 57.8089, 0.2636,
0.3168


 3.1494, 0.1919,
0.2907

 77.6772, 0.2681,
0.3181

 1.2102, 0.1530,
0.2733

 101.6445, 0.2718,
0.3191

 0.0700, 0.0000,
0.0751

 130.0950, 0.2749,
0.3200

 0.0000, 0.0000,
0.0000

163.4132, 0.2776,

0.3207

201.9835, 0.2800,
0.3214

■ 18.9532, 0.2427,
0.3103

■ 18.9532, 0.2427,
0.3103

■ 18.0899, 0.2335,
0.3062

■ 19.9421, 0.2535,
0.3143

■ 17.3414, 0.2260,
0.3021

■ 21.0623, 0.2657,
0.3180

■ 16.6982, 0.2203,
0.2980

■ 22.3217, 0.2790,
0.3216

■ 16.1486, 0.2164,
0.2939

■ 23.7270, 0.2932,
0.3250

■ 15.8040, 0.2142,
0.2911

■ 25.2845, 0.3079,
0.3281

■ 26.9998, 0.3229,
0.3309

■ 28.8786, 0.3380,
0.3334

■ 30.9260, 0.3530,
0.3357

■ 33.1471, 0.3677,
0.3377

Harmonies

Analogous

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



18.9532, 0.2635, 0.3492



18.9532, 0.2427, 0.3103



18.9532, 0.2394, 0.2802

Triad

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



18.9532, 0.2427, 0.3103



18.9532, 0.3238, 0.2818



18.9532, 0.3725, 0.3948

Complementary

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



18.9532, 0.2427, 0.3103



10.7730, 0.4509, 0.3456

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.



18.9532, 0.3915, 0.3716



18.9532, 0.2427, 0.3103



18.9532, 0.3627, 0.3080

Square

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



18.9532, 0.2427, 0.3103



18.9532, 0.2841, 0.2664



18.9532, 0.3881, 0.3400



18.9532, 0.3380, 0.4008

Rectangle

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



18.9532, 0.2427, 0.3103



18.9532, 0.2472, 0.2684



18.9532, 0.3881, 0.3400



18.9532, 0.3810, 0.3885

Sweetspot

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



18.9539, 0.2427, 0.3103



41.6736, 0.2887, 0.3240



20.0801, 0.2985, 0.4742



9.4973, 0.2861, 0.3234



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.9539, 0.2427, 0.3103



32.0870, 0.2317, 0.3053



10.8857, 0.2265, 0.2285



5.5865, 0.2991, 0.3263



14.2803, 0.2142, 0.2912



0.1084, 0.2198, 0.3113

Inverse Universe

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



10.8849, 0.3327, 0.2186



16.4190, 0.3383, 0.1988



17.1627, 0.4124, 0.4104



5.1187, 0.3154, 0.3100



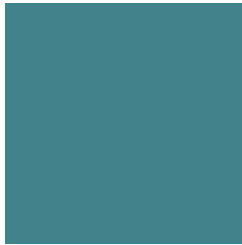
6.2258, 0.3532, 0.1719



0.0427, 0.3356, 0.1623

Previews

White Background



This preview shows how the Yxy color 18.9532, 0.2427, 0.3103 looks on a white background.

Color Contrast Check

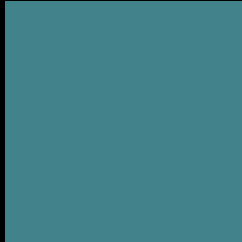
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9532, 0.2427, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

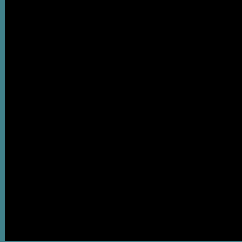
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9532, 0.2427, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 18.9532, 0.2427, 0.3103.



This preview shows how white text looks on a background with the Yxy color 18.9532, 0.2427, 0.3103.

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

18.9532, 0.2427, 0.3103

Protanopia

18.7815, 0.2980, 0.3047

Deuteranopia

18.7405, 0.2895, 0.2836



Tritanopia

19.0170, 0.2426, 0.3084

Trichromacy



Original Color

18.9532, 0.2427, 0.3103

Protanomaly

18.5678, 0.2731, 0.3054

Deuteranomaly

18.6089, 0.2693, 0.2924

Tritanomaly

19.0170, 0.2426, 0.3084

Monochromacy



Original Color

18.9532, 0.2427, 0.3103

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.0317, 0.2810, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9532, 0.2427, 0.3103 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(65, 130, 139)` looks like.

```
.text, #text, p{  
  color:rgb(65, 130, 139)  
}
```

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(65, 130, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 130, 139) }
```

Border

The CSS property to change the border of an element to Yxy 18.9532, 0.2427, 0.3103 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(65, 130, 139) }
```

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

```
.border{ border-color:rgb(65, 130, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 130, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 130, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 130, 139);  
box-shadow:4px 4px 4px 4px rgb(65, 130,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9532, 0.2427, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 130, 139) }
```

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

```
.background{ background-color: rgb(65, 130,  
139) }
```

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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