

Converting Colors

$Y_{xy}(18.9516, 0.2903, 0.3838)$

Have a look what the booklet for
Yxy(18.9516, 0.2903, 0.3838)
contains.

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Color

Yxy(18.9432, 0.2907, 0.3845)

Conversions

Conversions Part 1

Format	Color
Hex	568268
RGB	86, 130, 104
RGB Percent	34%, 51%, 41%
CMY	0.6626, 0.4902, 0.5921
CMYK	0.34, 0.00, 0.20, 0.49
HSL	145°, 20%, 42%
HSV	145°, 34%, 51%
XYZ	14.3219, 18.9432, 16.0020
YIQ	113.8800, -17.8780, -17.4140

Conversions

Conversions Part 2

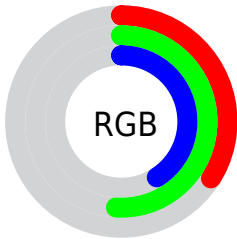
Format	Color
R_{YB}	86, 117, 130
Decimal	5669480
CIE _{Lab}	50.62, -21.09, 9.32
CIE _{LCh}	51, 23.058, 156.162
Yxy	18.9432, 0.2907, 0.3845
Android (android.graphics.Color)	4283859560 (0xFF568268)
YUV	113.8800, -4.8708, -24.4508
Hunter-Lab	43.5238, -17.4294, 8.6681

Details

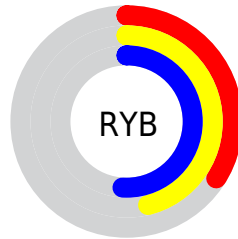
The Yxy color $18.9432, 0.2907, 0.3845$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.5768, 0.3437, 0.2796$, and the grayscale version is $16.8110, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.5519, 0.2961, 0.3710$, and $6.4448, 0.2801, 0.4096$ is the 20% darker color. If you saturate the color by 10%, you get $18.2326, 0.2852, 0.4045$, and if you desaturate by 10%, it is $19.7818, 0.2968, 0.3661$.

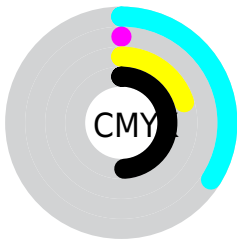
Distribution



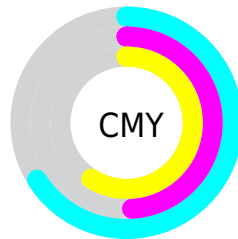
- Red (34%)
- Green (51%)
- Blue (41%)



- Red (34%)
- Yellow (46%)
- Blue (51%)



- Cyan (34%)
- Magenta (0%)
- Yellow (20%)
- Black (49%)




- Cyan (66%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9432, 0.2907, 0.3845 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 18.9432, 0.2907, 0.3845 by changing the saturation by 10% instead.


 18.9432, 0.2907,
0.3845


 18.9432, 0.2907,
0.3845


246.1350, 0.3038,
0.3516


 11.6292, 0.2864,
0.3952


 41.6381, 0.2961,
0.3709


 6.4918, 0.2800,
0.4109


 57.7878, 0.2980,
0.3664


 3.1463, 0.2696,
0.4362

 77.6516, 0.2994,
0.3627

 1.2086, 0.2470,
0.4953

 101.6138, 0.3006,
0.3597

 0.0687, 0.0000,
1.0000

 130.0589, 0.3016,
0.3572

 0.0000, 0.0000,
0.0000

163.3712, 0.3025,

0.3550

201.9351, 0.3032,
0.3532

■ 18.9432, 0.2907,
0.3845

■ 18.9432, 0.2907,
0.3845

■ 18.2326, 0.2852,
0.4045

■ 19.7818, 0.2968,
0.3661

■ 17.6413, 0.2808,
0.4257

■ 20.7522, 0.3034,
0.3494

■ 17.1629, 0.2776,
0.4477


■ 21.8606, 0.3101,
0.3343

■ 16.7896, 0.2759,
0.4701


■ 23.1123, 0.3169,
0.3209

■ 16.5126, 0.2760,
0.4919

■ 24.5124, 0.3236,
0.3090


 16.3207, 0.2778,
0.5126

 26.0656, 0.3301,
0.2986

 16.2227, 0.2791,
0.5247

 27.7765, 0.3363,
0.2894

 29.6493, 0.3423,
0.2814

 31.6882, 0.3479,
0.2744

Harmonies

Analogous

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



18.9432, 0.3337, 0.4061



18.9432, 0.2907, 0.3845



18.9432, 0.2552, 0.3447

Triad

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



18.9432, 0.2907, 0.3845



18.9432, 0.2530, 0.2594



18.9432, 0.3966, 0.3456

Complementary

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



18.9432, 0.2907, 0.3845



12.5768, 0.3437, 0.2796

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.



18.9432, 0.3720, 0.3109



18.9432, 0.2907, 0.3845



18.9432, 0.2873, 0.2631

Square

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



18.9432, 0.2907, 0.3845



18.9432, 0.2348, 0.2727



18.9432, 0.3310, 0.2816



18.9432, 0.3965, 0.3790

Rectangle

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



18.9432, 0.2907, 0.3845



18.9432, 0.2400, 0.3161



18.9432, 0.3310, 0.2816



18.9432, 0.3909, 0.3338

Sweetspot

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



18.9440, 0.2907, 0.3845



37.2214, 0.3058, 0.3438



20.1084, 0.3393, 0.4160



8.3745, 0.3050, 0.3456



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.9440, 0.2907, 0.3845



32.3315, 0.2862, 0.4006



19.4402, 0.2705, 0.3379



4.8456, 0.3066, 0.3420



15.5575, 0.2790, 0.5244



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.5768, 0.3437, 0.2796



19.2336, 0.3539, 0.2676



12.1521, 0.3799, 0.3206



4.3836, 0.3194, 0.3163



5.0633, 0.4526, 0.2267



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9432, 0.2907, 0.3845 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 18.9432, 0.2907, 0.3845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

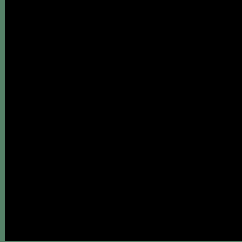
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9432, 0.2907, 0.3845

Background



This preview shows how black text looks on a background with the Yxy color 18.9432, 0.2907, 0.3845.



This preview shows how white text looks on a background with the Yxy color 18.9432, 0.2907, 0.3845.

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

18.9432, 0.2907, 0.3845

Protanopia

18.8458, 0.3470, 0.3690

Deuteranopia

18.7866, 0.3504, 0.3455



Tritanopia

19.0264, 0.2668, 0.3091

Trichromacy



Original Color

18.9432, 0.2907, 0.3845

Protanomaly

18.7996, 0.3240, 0.3751

Deuteranomaly

18.5669, 0.3264, 0.3584

Tritanomaly

18.8076, 0.2751, 0.3350

Monochromacy



Original Color

18.9432, 0.2907, 0.3845

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.5018, 0.3044, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9432, 0.2907, 0.3845 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(86, 130, 104)` looks like.

```
.text, #text, p{  
  color:rgb(86, 130, 104)  
}
```

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(86, 130, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 130, 104) }
```

Border

The CSS property to change the border of an element to Yxy 18.9432, 0.2907, 0.3845 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(86, 130, 104) }
```

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

```
.border{ border-color:rgb(86, 130, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 130, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 130, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 130, 104);  
box-shadow:4px 4px 4px 4px rgb(86, 130,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9432, 0.2907, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 130, 104) }
```

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

```
.background{ background-color: rgb(86, 130,  
104) }
```

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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