

Converting Colors

$Y_{xy}(18.7643, 0.3179, 0.4183)$

Have a look what the booklet for
Yxy(18.7643, 0.3179, 0.4183)
contains.

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Color

Yxy(18.8215, 0.3175, 0.4182)

Conversions

Conversions Part 1

Format	Color
Hex	5F8157
RGB	95, 129, 87
RGB Percent	37%, 51%, 34%
CMY	0.6275, 0.4941, 0.6588
CMYK	0.26, 0.00, 0.33, 0.49
HSL	109°, 19%, 42%
HSV	109°, 33%, 51%
XYZ	14.2894, 18.8215, 11.8951
YIQ	114.0460, -6.7820, -20.2700

Conversions

Conversions Part 2

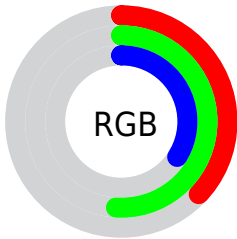
Format	Color
R_{YB}	87, 129, 121
Decimal	6259031
CIE _{Lab}	50.48, -20.68, 19.01
CIE _{LCh}	50, 28.086, 137.408
Yxy	18.8215, 0.3175, 0.4182
Android (android.graphics.Color)	4284449111 (0xFF5F8157)
YUV	114.0460, -13.3337, -16.7033
Hunter-Lab	43.3838, -17.1286, 14.1123

Details

The Yxy color **18.8215, 0.3175, 0.4182** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.4655, 0.3045, 0.2488**, and the grayscale version is **16.8841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3730, 0.3171, 0.3964**, and **6.5018, 0.3158, 0.4624** is the 20% darker color. If you saturate the color by 10%, you get **18.1077, 0.3182, 0.4502**, and if you desaturate by 10%, it is **19.6496, 0.3163, 0.3879**.

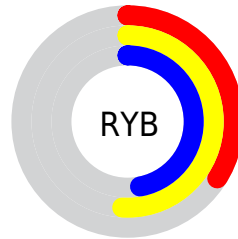
Distribution



Red (37%)

Green (51%)

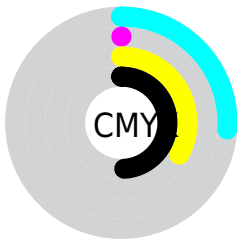
Blue (34%)



Red (34%)

Yellow (51%)

Blue (47%)

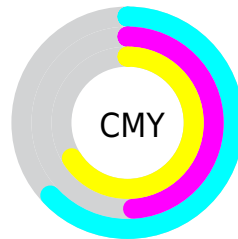


Cyan (26%)

Magenta (0%)

Yellow (33%)

Black (49%)



Cyan (63%)


Magenta (49%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8215, 0.3175, 0.4182 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 18.8215, 0.3175, 0.4182 by changing the saturation by 10% instead.


 18.8215, 0.3175,
0.4182


 18.8215, 0.3175,
0.4182


245.4616, 0.3159,
0.3649


 11.5414, 0.3172,
0.4356


 41.4323, 0.3173,
0.3962

 6.4322, 0.3161,
0.4611


 57.5317, 0.3171,
0.3888


 3.1096, 0.3125,
0.5019

 77.3396, 0.3169,
0.3828

 1.1892, 0.3345,
0.6655

 101.2406, 0.3167,
0.3780

 0.0529, 0.0000,
1.0000

 129.6188, 0.3165,
0.3739

 0.0000, 0.0000,
0.0000

162.8588, 0.3163,

0.3704

201.3449, 0.3161,
0.3675

■ 18.8215, 0.3175,
0.4182

■ 18.8215, 0.3175,
0.4182

■ 18.1077, 0.3182,
0.4502

■ 19.6496, 0.3163,
0.3879

■ 17.5008, 0.3181,
0.4829

■ 20.5941, 0.3149,
0.3601

■ 16.9963, 0.3173,
0.5145


■ 21.6604, 0.3132,
0.3350

■ 16.5883, 0.3156,
0.5431


■ 22.8526, 0.3114,
0.3126


■ 16.2703, 0.3131,
0.5667

■ 24.1746, 0.3095,
0.2929

 16.0351, 0.3098,
0.5838

 25.6302, 0.3077,
0.2756

 15.9028, 0.3077,
0.5938

 27.2231, 0.3060,
0.2604

 28.9567, 0.3043,
0.2472

 30.8345, 0.3027,
0.2356

Harmonies

Analogous

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



18.8215, 0.3685, 0.4239



18.8215, 0.3175, 0.4182



18.8215, 0.2676, 0.3807

Triad

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



18.8215, 0.3175, 0.4182



18.8215, 0.2248, 0.2524



18.8215, 0.3997, 0.3216

Complementary

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



18.8215, 0.3175, 0.4182



12.4655, 0.3045, 0.2488

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.



18.8215, 0.3549, 0.2839



18.8215, 0.3175, 0.4182



18.8215, 0.2540, 0.2450

Square

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



18.8215, 0.3175, 0.4182



18.8215, 0.2170, 0.2806



18.8215, 0.3006, 0.2566



18.8215, 0.4188, 0.3634

Rectangle

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



18.8215, 0.3175, 0.4182



18.8215, 0.2416, 0.3455



18.8215, 0.3006, 0.2566



18.8215, 0.3870, 0.3082

Sweetspot

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



18.8223, 0.3175, 0.4182



37.3024, 0.3145, 0.3540



18.9336, 0.3641, 0.3925



8.3946, 0.3147, 0.3570



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.



18.8223, 0.3175, 0.4182



32.7449, 0.3180, 0.4416



18.6398, 0.2960, 0.3923



4.8551, 0.3143, 0.3511



15.5060, 0.3078, 0.5938



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4655, 0.3045, 0.2488



19.5195, 0.3020, 0.2304



12.7532, 0.3350, 0.2732



4.3723, 0.3109, 0.3075



4.4414, 0.2746, 0.1286



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8215, 0.3175, 0.4182 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 18.8215, 0.3175, 0.4182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

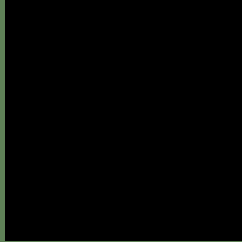
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8215, 0.3175, 0.4182

Background



This preview shows how black text looks on a background with the Yxy color 18.8215, 0.3175, 0.4182.



This preview shows how white text looks on a background with the Yxy color 18.8215, 0.3175, 0.4182.

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

18.8215, 0.3175, 0.4182

Protanopia

18.7246, 0.3692, 0.3989

Deuteranopia

18.6624, 0.3800, 0.3740



Tritanopia

18.7429, 0.2792, 0.3094

Trichromacy



Original Color

18.8215, 0.3175, 0.4182

Protanomaly

18.5879, 0.3502, 0.4064

Deuteranomaly

18.4393, 0.3551, 0.3891

Tritanomaly

18.6375, 0.2933, 0.3473

Monochromacy



Original Color

18.8215, 0.3175, 0.4182

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3189, 0.3150, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8215, 0.3175, 0.4182 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(95, 129, 87)` looks like.

```
.text, #text, p{  
    color:rgb(95, 129, 87)  
}
```

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(95, 129, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 129, 87) }
```

Border

The CSS property to change the border of an element to Yxy 18.8215, 0.3175, 0.4182 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(95, 129, 87) }
```

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

```
.border{ border-color:rgb(95, 129, 87) }
```

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

Here you see how a box with a 4 pixel rgb(95, 129, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 129, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 129, 87);  
box-shadow:4px 4px 4px 4px rgb(95, 129,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8215, 0.3175, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 129, 87) }
```

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

```
.background{ background-color: rgb(95, 129,  
87) }
```

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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