

Converting Colors

$Yxy(16.8446, 0.3168, 0.3849)$

Have a look what the booklet for
Yxy(16.8446, 0.3168, 0.3849)
contains.

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Color

Yxy(16.8937, 0.3163, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	63785E
RGB	99, 120, 94
RGB Percent	39%, 47%, 37%
CMY	0.6117, 0.5294, 0.6314
CMYK	0.17, 0.00, 0.22, 0.53
HSL	108°, 12%, 42%
HSV	108°, 22%, 47%
XYZ	13.8828, 16.8937, 13.1147
YIQ	110.7570, -4.1700, -12.5380

Conversions

Conversions Part 2

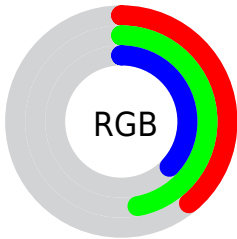
Format	Color
R_{YB}	94, 120, 115
Decimal	6518878
CIE Lab	48.13, -13.09, 11.79
CIE LCh	48, 17.614, 137.979
Yxy	16.8937, 0.3163, 0.3849
Android (android.graphics.Color)	4284708958 (0xFF63785E)
YUV	110.7570, -8.2612, -10.3109
Hunter-Lab	41.1019, -11.6375, 9.8533

Details

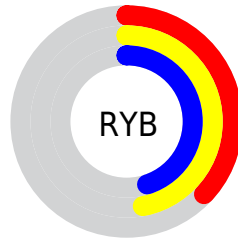
The Yxy color **16.8937, 0.3163, 0.3849** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0015, 0.3078, 0.2768**, and the grayscale version is **15.8481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0027, 0.3161, 0.3712**, and **5.4499, 0.3165, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **16.1825, 0.3175, 0.4147**, and if you desaturate by 10%, it is **17.7053, 0.3148, 0.3575**.

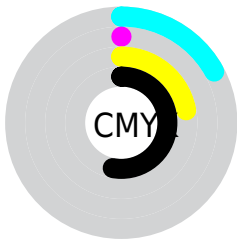
Distribution



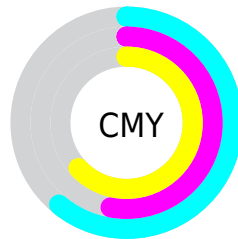
- Red (39%)
- Green (47%)
- Blue (37%)



- Red (37%)
- Yellow (47%)
- Blue (45%)



- Cyan (17%)
- Magenta (0%)
- Yellow (22%)
- Black (53%)





- Cyan (61%)
- Magenta (53%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8937, 0.3163, 0.3849 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 16.8937, 0.3163, 0.3849 by changing the saturation by 10% instead.


 16.8937, 0.3163,
0.3849


 16.8937, 0.3163,
0.3849


234.5591, 0.3147,
0.3514


 10.1587, 0.3165,
0.3960


 38.1429, 0.3158,
0.3710


 5.5043, 0.3166,
0.4125

 53.4260, 0.3156,
0.3663

 2.5461, 0.3159,
0.4395

 72.3271, 0.3154,
0.3626

 0.8996, 0.3368,
0.5657

 95.2309, 0.3152,
0.3596

 0.0000, 0.0000,
0.0000

122.5215, 0.3150,
0.3570

154.5835, 0.3149,

0.3549

191.8012, 0.3148,
0.3530

■ 16.8937, 0.3163,
0.3849

■ 16.8937, 0.3163,
0.3849

■ 16.1825, 0.3175,
0.4147

■ 17.7053, 0.3148,
0.3575

■ 15.5655, 0.3183,
0.4463

■ 18.6186, 0.3130,
0.3329

■ 15.0395, 0.3184,
0.4787

■ 19.6379, 0.3112,
0.3109

■ 14.6001, 0.3177,
0.5103

■ 20.7664, 0.3093,
0.2915

■ 14.2423, 0.3161,
0.5392

■ 22.0073, 0.3075,
0.2745

■ 13.9610, 0.3137,
0.5635

■ 23.3636, 0.3058,
0.2596

■ 13.7503, 0.3106,
0.5815

■ 24.8381, 0.3041,
0.2465

■ 13.6177, 0.3083,
0.5934

■ 26.4337, 0.3025,
0.2350

■ 28.1531, 0.3010,
0.2250

Harmonies

Analogous

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



16.8937, 0.3497, 0.3905



16.8937, 0.3163, 0.3849



16.8937, 0.2831, 0.3613

Triad

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



16.8937, 0.3163, 0.3849



16.8937, 0.2540, 0.2782



16.8937, 0.3694, 0.3257

Complementary

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



16.8937, 0.3163, 0.3849



13.0015, 0.3078, 0.2768

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.



16.8937, 0.3411, 0.2994



16.8937, 0.3163, 0.3849



16.8937, 0.2745, 0.2725

Square

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



16.8937, 0.3163, 0.3849



16.8937, 0.2484, 0.2979



16.8937, 0.3061, 0.2803



16.8937, 0.3816, 0.3542

Rectangle

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



16.8937, 0.3163, 0.3849



16.8937, 0.2655, 0.3396



16.8937, 0.3061, 0.2803



16.8937, 0.3614, 0.3164

Sweetspot

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



16.8944, 0.3163, 0.3849



31.8415, 0.3140, 0.3461



17.0164, 0.3456, 0.3705



7.5304, 0.3141, 0.3471



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.8944, 0.3163, 0.3849



29.0718, 0.3170, 0.3994



16.7671, 0.3014, 0.3684



4.4838, 0.3143, 0.3509



14.8506, 0.3081, 0.5936



70.5517, 0.3056, 0.5955

Inverse Universe

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



13.0015, 0.3078, 0.2768



20.9420, 0.3063, 0.2643



13.1699, 0.3262, 0.2926



4.0403, 0.3109, 0.3077



4.2344, 0.2740, 0.1283



19.8452, 0.2715, 0.1269

Previews

White Background



This preview shows how the Yxy color 16.8937, 0.3163, 0.3849 looks on a white 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

Black Background



This preview shows how the Yxy color 16.8937, 0.3163, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

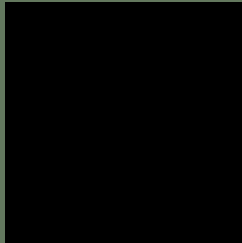
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8937, 0.3163, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 16.8937, 0.3163, 0.3849.



This preview shows how white text looks on a background with the Yxy color 16.8937, 0.3163, 0.3849.

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

16.8937, 0.3163, 0.3849

Protanopia

16.8549, 0.3512, 0.3749

Deuteranopia

16.8217, 0.3605, 0.3558



Tritanopia

16.9145, 0.2877, 0.3109

Trichromacy



Original Color

16.8937, 0.3163, 0.3849

Protanomaly

16.7742, 0.3380, 0.3784

Deuteranomaly

16.7828, 0.3432, 0.3671

Tritanomaly

16.7623, 0.2975, 0.3352

Monochromacy



Original Color

16.8937, 0.3163, 0.3849

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.1803, 0.3144, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8937, 0.3163, 0.3849 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(99, 120, 94) looks like.

```
.text, #text, p{  
    color:rgb(99, 120, 94)  
}
```

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(99, 120, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 120, 94) }
```

Border

The CSS property to change the border of an element to Yxy 16.8937, 0.3163, 0.3849 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(99, 120, 94) }
```

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

```
.border{ border-color:rgb(99, 120, 94) }
```

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

Here you see how a box with a 4 pixel rgb(99, 120, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 120, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 120, 94);  
box-shadow:4px 4px 4px 4px rgb(99, 120,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8937, 0.3163, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 120, 94) }
```

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

```
.background{ background-color: rgb(99, 120,  
94) }
```

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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