

Converting Colors

$Y_{xy}(18.8566, 0.3026, 0.4861)$

Have a look what the booklet for
Yxy(18.8566, 0.3026, 0.4861)
contains.

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Color

Yxy(18.7781, 0.3027, 0.4860)

Conversions

Conversions Part 1

Format	Color
Hex	3F8742
RGB	63, 135, 66
RGB Percent	25%, 53%, 26%
CMY	0.7531, 0.4706, 0.7411
CMYK	0.53, 0.00, 0.51, 0.47
HSL	123°, 36%, 39%
HSV	123°, 53%, 53%
XYZ	11.6957, 18.7781, 8.1642
YIQ	105.6060, -20.7630, -36.7230

Conversions

Conversions Part 2

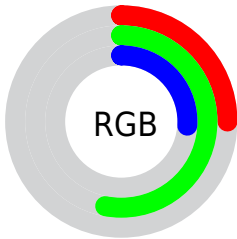
Format	Color
RYB	63, 132, 135
Decimal	4163394
CIELab	50.43, -37.63, 30.19
CIElCh	50, 48.243, 141.256
Yxy	18.7781, 0.3027, 0.4860
Android (android.graphics.Color)	4282353474 (0xFF3F8742)
YUV	105.6060, -19.5258, -37.3655
Hunter-Lab	43.3337, -27.6569, 19.1631

Details

The Yxy color **18.7781, 0.3027, 0.4860** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.3670, 0.3233, 0.2104**, and the grayscale version is **14.3565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3460, 0.3079, 0.4468**, and **6.3877, 0.2896, 0.5627** is the 20% darker color. If you saturate the color by 10%, you get **18.2522, 0.3011, 0.5186**, and if you desaturate by 10%, it is **19.4491, 0.3045, 0.4524**.

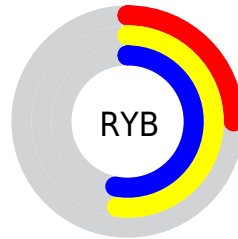
Distribution



Red (25%)

Green (53%)

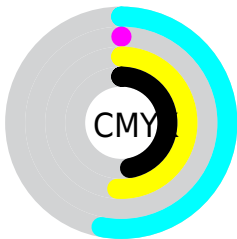
Blue (26%)



Red (25%)

Yellow (52%)

Blue (53%)

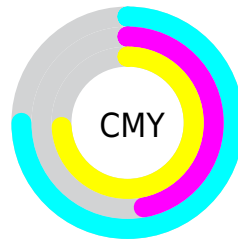


Cyan (53%)

Magenta (0%)

Yellow (51%)

Black (47%)



Cyan (75%)


Magenta (47%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7781, 0.3027, 0.4860 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 18.7781, 0.3027, 0.4860 by changing the saturation by 10% instead.


 18.7781, 0.3027,
0.4860


 18.7781, 0.3027,
0.4860


245.2210, 0.3122,
0.3902


 11.5100, 0.2973,
0.5178


 41.3588, 0.3079,
0.4459


 6.4110, 0.2872,
0.5644


 57.4402, 0.3093,
0.4326

 3.0966, 0.2729,
0.6530

 77.2283, 0.3102,
0.4219

 1.1824, 0.1312,
0.8688

 101.1073, 0.3109,
0.4132

 0.0472, 0.0000,
1.0000

 129.4617, 0.3114,
0.4060

 0.0000, 0.0000,
0.0000

162.6758, 0.3117,

0.3999

201.1341, 0.3120,
0.3947

■ 18.7781, 0.3027,
0.4860

■ 18.7781, 0.3027,
0.4860

■ 18.2522, 0.3011,
0.5186

■ 19.4491, 0.3045,
0.4524

■ 17.8585, 0.3000,
0.5480

■ 20.2722, 0.3065,
0.4197

■ 17.5859, 0.2994,
0.5719

■ 21.2568, 0.3084,
0.3891

■ 17.4202, 0.2993,
0.5885

■ 22.4109, 0.3104,
0.3613

■ 17.3424, 0.2989,
0.5961

■ 23.7420, 0.3121,
0.3366

■ 25.2571, 0.3138,
0.3150

■ 26.9629, 0.3153,
0.2962

■ 28.8655, 0.3167,
0.2799

■ 30.9710, 0.3179,
0.2659

Harmonies

Analogous

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



18.7781, 0.3874, 0.4924



18.7781, 0.3027, 0.4860



18.7781, 0.2253, 0.4093

Triad

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



18.7781, 0.3027, 0.4860



18.7781, 0.1768, 0.2011



18.7781, 0.4697, 0.3190

Complementary

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



18.7781, 0.3027, 0.4860



10.3670, 0.3233, 0.2104

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.



18.7781, 0.3949, 0.2617



18.7781, 0.3027, 0.4860



18.7781, 0.2237, 0.1970

Square

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



18.7781, 0.3027, 0.4860



18.7781, 0.1607, 0.2362



18.7781, 0.3010, 0.2187



18.7781, 0.4913, 0.3826

Rectangle

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



18.7781, 0.3027, 0.4860



18.7781, 0.1885, 0.3410



18.7781, 0.3010, 0.2187



18.7781, 0.4495, 0.2989

Sweetspot

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



18.7789, 0.3027, 0.4860



39.4778, 0.3098, 0.3693



22.6428, 0.3844, 0.4540



9.0566, 0.3095, 0.3742



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.7789, 0.3027, 0.4860



32.5178, 0.3009, 0.5250



19.3325, 0.2733, 0.4039



5.2077, 0.3111, 0.3504



15.9906, 0.2989, 0.5960



0.0556, 0.2939, 0.5779

Inverse Universe

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



10.3670, 0.3233, 0.2104



15.7645, 0.3258, 0.1898



9.5576, 0.3886, 0.2671



4.7595, 0.3143, 0.3085



6.2188, 0.3315, 0.1600



0.0218, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 18.7781, 0.3027, 0.4860 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 18.7781, 0.3027, 0.4860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

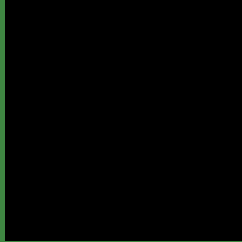
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7781, 0.3027, 0.4860

Background



This preview shows how black text looks on a background with the Yxy color 18.7781, 0.3027, 0.4860.



This preview shows how white text looks on a background with the Yxy color 18.7781, 0.3027, 0.4860.

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

18.7781, 0.3027, 0.4860

Protanopia

18.4361, 0.3992, 0.4341

Deuteranopia

18.5093, 0.4104, 0.4034



Tritanopia

18.6472, 0.2536, 0.3086

Trichromacy



Original Color

18.7781, 0.3027, 0.4860

Protanomaly

18.1519, 0.3583, 0.4549

Deuteranomaly

17.9936, 0.3648, 0.4346

Tritanomaly

18.5294, 0.2718, 0.3704

Monochromacy



Original Color

18.7781, 0.3027, 0.4860

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.6516, 0.3087, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7781, 0.3027, 0.4860 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(63, 135, 66)` looks like.

```
.text, #text, p{  
    color:rgb(63, 135, 66)  
}
```

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(63, 135, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 135, 66) }
```

Border

The CSS property to change the border of an element to Yxy 18.7781, 0.3027, 0.4860 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(63, 135, 66) }
```

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

```
.border{ border-color:rgb(63, 135, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 135, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 135, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 135, 66);  
box-shadow:4px 4px 4px 4px rgb(63, 135,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7781, 0.3027, 0.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 135, 66) }
```

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

```
.background{ background-color: rgb(63, 135,  
66) }
```

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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