

Converting Colors

$Y_{xy}(18.4970, 0.2660, 0.3871)$

Have a look what the booklet for
Yxy(18.4970, 0.2660, 0.3871)
contains.

Yxy(18.5038, 0.2663, 0.3875)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.5038, 0.2663, 0.3875)

Conversions

Conversions Part 1

Format	Color
Hex	3C846A
RGB	60, 132, 106
RGB Percent	24%, 52%, 42%
CMY	0.7646, 0.4823, 0.5844
CMYK	0.55, 0.00, 0.20, 0.48
HSL	158°, 37%, 38%
HSV	158°, 55%, 52%
XYZ	12.7163, 18.5038, 16.5317
YIQ	107.5080, -34.5660, -23.3500

Conversions

Conversions Part 2

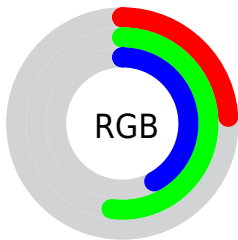
Format	Color
RYB	60, 104, 132
Decimal	3966058
CIELab	50.10, -29.19, 7.27
CIELCh	50, 30.085, 166.012
Yxy	18.5038, 0.2663, 0.3875
Android (android.graphics.Color)	4282156138 (0xFF3C846A)
YUV	107.5080, -0.7434, -41.6645
Hunter-Lab	43.0160, -22.5104, 7.3253

Details

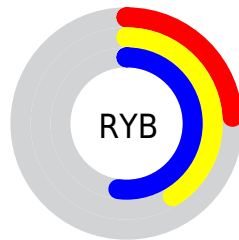
The Yxy color **18.5038, 0.2663, 0.3875** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8.8121, 0.4073, 0.2801**, and the grayscale version is **14.8622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0628, 0.2775, 0.3742**, and **6.3504, 0.2485, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **18.0468, 0.2614, 0.4006**, and if you desaturate by 10%, it is **19.0704, 0.2727, 0.3750**.

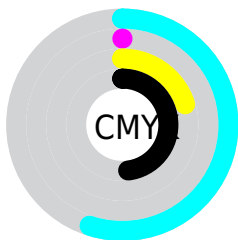
Distribution



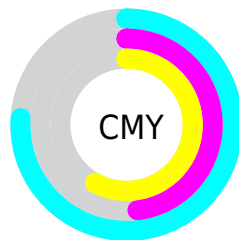
- Red (24%)
- Green (52%)
- Blue (42%)



- Red (24%)
- Yellow (41%)
- Blue (52%)



- Cyan (55%)
- Magenta (0%)
- Yellow (20%)
- Black (48%)




- Cyan (76%)
- Magenta (48%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5038, 0.2663, 0.3875 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 18.5038, 0.2663, 0.3875 by changing the saturation by 10% instead.


 18.5038, 0.2663,
0.3875


 18.5038, 0.2663,
0.3875


243.6956, 0.2935,
0.3527


 11.3123, 0.2577,
0.3988


 40.8939, 0.2774,
0.3732


 6.2773, 0.2452,
0.4155


 56.8614, 0.2812,
0.3683

 3.0144, 0.2255,
0.4425

 76.5229, 0.2842,
0.3644

 1.1393, 0.1593,
0.5181

 100.2629, 0.2867,
0.3613

 0.0112, 0.0000,
1.0000

 128.4657, 0.2888,
0.3586

 0.0000, 0.0000,
0.0000

161.5159, 0.2906,

0.3564

199.7977, 0.2922,
0.3544

■ 18.5038, 0.2663,
0.3875

■ 18.5038, 0.2663,
0.3875

■ 18.0468, 0.2614,
0.4006

■ 19.0704, 0.2727,
0.3750

■ 17.6893, 0.2582,
0.4140

■ 19.7514, 0.2804,
0.3631

■ 17.4231, 0.2568,
0.4276

■ 20.5541, 0.2891,
0.3521

■ 17.2360, 0.2573,
0.4410

■ 21.4843, 0.2984,
0.3420

■ 17.1476, 0.2579,
0.4483

■ 22.5477, 0.3082,
0.3329

■ 23.7495, 0.3182,
0.3246

■ 25.0945, 0.3282,
0.3172

■ 26.5876, 0.3382,
0.3107

■ 28.2332, 0.3479,
0.3049

Harmonies

Analogous

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



18.5038, 0.3201, 0.4268



18.5038, 0.2663, 0.3875



18.5038, 0.2272, 0.3296

Triad

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



18.5038, 0.2663, 0.3875



18.5038, 0.2477, 0.2391



18.5038, 0.4267, 0.3631

Complementary

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



18.5038, 0.2663, 0.3875



8.8121, 0.4073, 0.2801

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.



18.5038, 0.4048, 0.3187



18.5038, 0.2663, 0.3875



18.5038, 0.2969, 0.2507

Square

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



18.5038, 0.2663, 0.3875



18.5038, 0.2178, 0.2477



18.5038, 0.3553, 0.2790



18.5038, 0.4145, 0.4043

Rectangle

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



18.5038, 0.2663, 0.3875



18.5038, 0.2135, 0.2936



18.5038, 0.3553, 0.2790



18.5038, 0.4232, 0.3482

Sweetspot

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



18.5045, 0.2663, 0.3875



37.5269, 0.2967, 0.3438



18.8276, 0.3319, 0.4827



8.6687, 0.2950, 0.3455



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.5045, 0.2663, 0.3875



31.6543, 0.2606, 0.4032



16.6459, 0.2413, 0.3080



5.2511, 0.3037, 0.3370



16.6037, 0.2578, 0.4482



0.0589, 0.2412, 0.3884

Inverse Universe

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



8.8121, 0.4073, 0.2801



12.7706, 0.4411, 0.2726



9.5649, 0.4540, 0.3475



4.7145, 0.3227, 0.3212



4.9551, 0.5460, 0.2781



0.0185, 0.4426, 0.2212

Previews

White Background



This preview shows how the Yxy color 18.5038, 0.2663, 0.3875 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 18.5038, 0.2663, 0.3875 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 18.5038, 0.2663, 0.3875

Background



This preview shows how black text looks on a background with the Yxy color 18.5038, 0.2663, 0.3875.

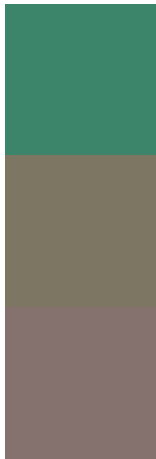


This preview shows how white text looks on a background with the Yxy color 18.5038, 0.2663, 0.3875.

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

18.5038, 0.2663, 0.3875

Protanopia

18.2177, 0.3450, 0.3657

Deuteranopia

18.1470, 0.3431, 0.3365



Tritanopia

18.5754, 0.2462, 0.3083

Trichromacy



Original Color

18.5038, 0.2663, 0.3875

Protanomaly

17.8919, 0.3095, 0.3729

Deuteranomaly

17.8430, 0.3079, 0.3535

Tritanomaly

18.3651, 0.2531, 0.3352

Monochromacy



Original Color

18.5038, 0.2663, 0.3875

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.0083, 0.2921, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5038, 0.2663, 0.3875 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(60, 132, 106)` looks like.

```
.text, #text, p{  
  color:rgb(60, 132, 106)  
}
```

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(60, 132, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 132, 106) }
```

Border

The CSS property to change the border of an element to Yxy 18.5038, 0.2663, 0.3875 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(60, 132, 106) }
```

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

```
.border{ border-color:rgb(60, 132, 106) }
```

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

Here you see how a box with a 4 pixel rgb(60, 132, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 132, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 132, 106);  
box-shadow:4px 4px 4px 4px rgb(60, 132,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5038, 0.2663, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 132, 106) }
```

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

```
.background{ background-color: rgb(60, 132,  
106) }
```

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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