

Converting Colors

$Yxy(18.1556, 0.2608, 0.3805)$

Have a look what the booklet for
Yxy(18.1556, 0.2608, 0.3805)
contains.

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Color

$Y_{xy}(18.1275, 0.2607, 0.3812)$

Conversions

Conversions Part 1

Format	Color
Hex	37836C
RGB	55, 131, 108
RGB Percent	22%, 51%, 42%
CMY	0.7844, 0.4863, 0.5765
CMYK	0.58, 0.00, 0.18, 0.49
HSL	162°, 41%, 36%
HSV	162°, 58%, 51%
XYZ	12.3973, 18.1275, 17.0290
YIQ	105.6540, -37.9130, -23.2650

Conversions

Conversions Part 2

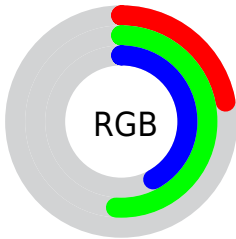
Format	Color
RYB	55, 100, 131
Decimal	3638124
CIELab	49.65, -29.41, 5.43
CIELCh	50, 29.903, 169.529
Yxy	18.1275, 0.2607, 0.3812
Android (android.graphics.Color)	4281828204 (0xFF37836C)
YUV	105.6540, 1.1566, -44.4236
Hunter-Lab	42.5764, -22.5336, 6.0896

Details

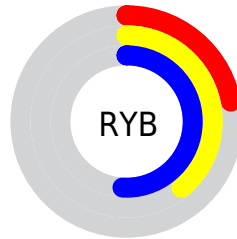
The Yxy color **18.1275, 0.2607, 0.3812** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.1067, 0.4270, 0.2860**, and the grayscale version is **14.3170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4523, 0.2734, 0.3698**, and **6.2218, 0.2454, 0.4034** is the 20% darker color. If you saturate the color by 10%, you get **17.7237, 0.2559, 0.3921**, and if you desaturate by 10%, it is **18.6348, 0.2671, 0.3707**.

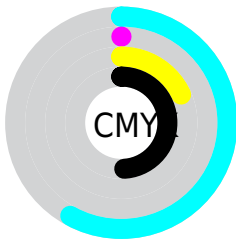
Distribution



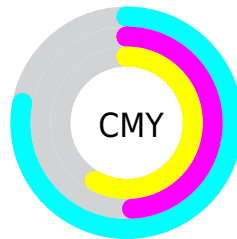
- Red (22%)
- Green (51%)
- Blue (42%)



- Red (22%)
- Yellow (39%)
- Blue (51%)



- Cyan (58%)
- Magenta (0%)
- Yellow (18%)
- Black (49%)





- Cyan (78%)
- Magenta (49%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1275, 0.2607, 0.3812 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 18.1275, 0.2607, 0.3812 by changing the saturation by 10% instead.


 18.1275, 0.2607,
0.3812


 18.1275, 0.2607,
0.3812


 241.5887, 0.2910,
0.3503


 11.0416, 0.2512,
0.3912


 40.2545, 0.2730,
0.3685


 6.0948, 0.2374,
0.4059

 56.0643, 0.2772,
0.3642


 2.9028, 0.2159,
0.4297

 75.5508, 0.2806,
0.3607

 1.0812, 0.1376,
0.5001

 99.0986, 0.2834,
0.3579

 0.0000, 0.0000,
0.0000

 127.0918, 0.2858,
0.3555

 159.9150, 0.2878,

0.3535

197.9525, 0.2895,
0.3518

■ 18.1275, 0.2607,
0.3812

■ 18.1275, 0.2607,
0.3812

■ 17.7237, 0.2559,
0.3921

■ 18.6348, 0.2671,
0.3707

■ 17.4132, 0.2528,
0.4032

■ 19.2506, 0.2750,
0.3607

■ 17.1875, 0.2517,
0.4143

■ 19.9822, 0.2839,
0.3514

■ 17.0255, 0.2520,
0.4254

■ 20.8353, 0.2937,
0.3427

■ 16.9952, 0.2521,
0.4276

■ 21.8158, 0.3041,
0.3348

■ 22.9286, 0.3149,
0.3276

■ 24.1788, 0.3257,
0.3212

■ 25.5710, 0.3366,
0.3155

■ 27.1096, 0.3473,
0.3104

Harmonies

Analogous

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



18.1275, 0.3134, 0.4240



18.1275, 0.2607, 0.3812



18.1275, 0.2240, 0.3229

Triad

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



18.1275, 0.2607, 0.3812



18.1275, 0.2526, 0.2394



18.1275, 0.4271, 0.3683

Complementary

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



18.1275, 0.2607, 0.3812



8.1067, 0.4270, 0.2860

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.



18.1275, 0.4091, 0.3238



18.1275, 0.2607, 0.3812



18.1275, 0.3035, 0.2532

Square

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



18.1275, 0.2607, 0.3812



18.1275, 0.2201, 0.2455



18.1275, 0.3620, 0.2831



18.1275, 0.4111, 0.4085

Rectangle

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



18.1275, 0.2607, 0.3812



18.1275, 0.2121, 0.2880



18.1275, 0.3620, 0.2831



18.1275, 0.4250, 0.3535

Sweetspot

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



18.1282, 0.2607, 0.3812



37.4134, 0.2944, 0.3422



18.1744, 0.3280, 0.4953



8.6472, 0.2927, 0.3436



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.



18.1282, 0.2607, 0.3812



31.5187, 0.2546, 0.3960



15.1891, 0.2361, 0.2978



5.2555, 0.3029, 0.3357



16.7283, 0.2521, 0.4276



0.0593, 0.2380, 0.3769

Inverse Universe

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



8.1067, 0.4270, 0.2860



11.7269, 0.4716, 0.2808



9.3480, 0.4629, 0.3555



4.7102, 0.3235, 0.3224



4.8988, 0.5680, 0.2903



0.0181, 0.4631, 0.2325

Previews

White Background



This preview shows how the Yxy color 18.1275, 0.2607, 0.3812 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 18.1275, 0.2607, 0.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

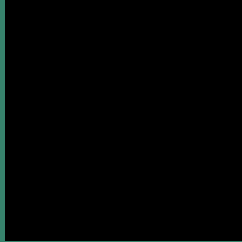
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1275, 0.2607, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 18.1275, 0.2607, 0.3812.

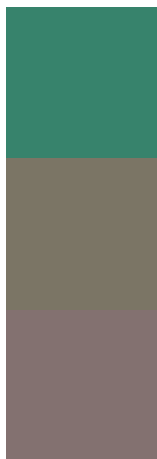


This preview shows how white text looks on a background with the Yxy color 18.1275, 0.2607, 0.3812.

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

18.1275, 0.2607, 0.3812

Protanopia

17.8731, 0.3401, 0.3602

Deuteranopia

17.8054, 0.3381, 0.3309



Tritanopia

18.1087, 0.2429, 0.3080

Trichromacy



Original Color

18.1275, 0.2607, 0.3812

Protanomaly

17.5152, 0.3037, 0.3670

Deuteranomaly

17.4642, 0.3021, 0.3475

Tritanomaly

17.9368, 0.2491, 0.3331

Monochromacy



Original Color

18.1275, 0.2607, 0.3812

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.3492, 0.2872, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1275, 0.2607, 0.3812 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(55, 131, 108)` looks like.

```
.text, #text, p{  
    color:rgb(55, 131, 108)  
}
```

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(55, 131, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 131, 108) }
```

Border

The CSS property to change the border of an element to Yxy 18.1275, 0.2607, 0.3812 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(55, 131, 108) }
```

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

```
.border{ border-color:rgb(55, 131, 108) }
```

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

Here you see how a box with a 4 pixel rgb(55, 131, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 131, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 131, 108);  
box-shadow:4px 4px 4px 4px rgb(55, 131,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1275, 0.2607, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 131, 108) }
```

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

```
.background{ background-color: rgb(55, 131,  
108) }
```

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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