

Converting Colors

$Y_{xy}(17.9481, 0.2613, 0.3741)$

Have a look what the booklet for
Yxy(17.9481, 0.2613, 0.3741)
contains.

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Color

$Y_{xy}(18.0209, 0.2615, 0.3740)$

Conversions

Conversions Part 1

Format	Color
Hex	3B826E
RGB	59, 130, 110
RGB Percent	23%, 51%, 43%
CMY	0.7686, 0.4902, 0.5687
CMYK	0.55, 0.00, 0.15, 0.49
HSL	163°, 38%, 37%
HSV	163°, 55%, 51%
XYZ	12.6002, 18.0209, 17.5631
YIQ	106.4910, -35.8960, -21.2720

Conversions

Conversions Part 2

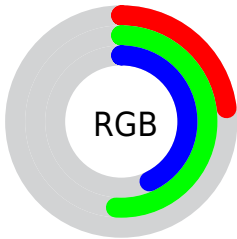
Format	Color
RYB	59, 100, 130
Decimal	3900014
CIELab	49.52, -27.47, 4.10
CIElCh	50, 27.777, 171.517
Yxy	18.0209, 0.2615, 0.3740
Android (android.graphics.Color)	4282090094 (0xFF3B826E)
YUV	106.4910, 1.7299, -41.6496
Hunter-Lab	42.4510, -21.3075, 5.1858

Details

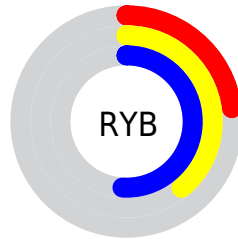
The Yxy color **18.0209, 0.2615, 0.3740** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.4387, 0.4200, 0.2909**, and the grayscale version is **14.5576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9204, 0.2731, 0.3617**, and **6.0962, 0.2423, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **17.5945, 0.2559, 0.3839**, and if you desaturate by 10%, it is **18.5510, 0.2686, 0.3645**.

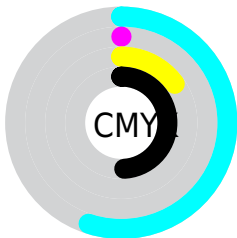
Distribution



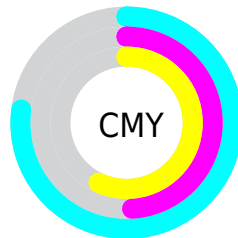
- Red (23%)
- Green (51%)
- Blue (43%)



- Red (23%)
- Yellow (39%)
- Blue (51%)



- Cyan (55%)
- Magenta (0%)
- Yellow (15%)
- Black (49%)





- Cyan (77%)
- Magenta (49%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0209, 0.2615, 0.3740 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 18.0209, 0.2615, 0.3740 by changing the saturation by 10% instead.


 18.0209, 0.2615,
0.3740


 18.0209, 0.2615,
0.3740


240.9888, 0.2913,
0.3475


 10.9650, 0.2522,
0.3825


 40.0729, 0.2736,
0.3631


 6.0433, 0.2388,
0.3950

 55.8379, 0.2777,
0.3594

 2.8714, 0.2179,
0.4150

 75.2746, 0.2810,
0.3565

 1.0650, 0.1467,
0.4718

 98.7675, 0.2838,
0.3540

 0.0000, 0.0000,
0.0000

 126.7009, 0.2861,
0.3520

159.4594, 0.2881,

0.3502

197.4272, 0.2898,
0.3488

■ 18.0209, 0.2615,
0.3740

■ 18.0209, 0.2615,
0.3740

■ 17.5945, 0.2559,
0.3839

■ 18.5510, 0.2686,
0.3645

■ 17.2621, 0.2521,
0.3941

■ 19.1894, 0.2771,
0.3554

■ 17.0158, 0.2501,
0.4044

■ 19.9430, 0.2865,
0.3470

■ 16.8437, 0.2499,
0.4147

■ 20.8175, 0.2968,
0.3392

■ 16.7630, 0.2501,
0.4203

■ 21.8182, 0.3076,
0.3321

■ 22.9500, 0.3187,
0.3256

■ 24.2178, 0.3299,
0.3199

■ 25.6260, 0.3411,
0.3147

■ 27.1789, 0.3520,
0.3102

Harmonies

Analogous

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



18.0209, 0.3103, 0.4151



18.0209, 0.2615, 0.3740



18.0209, 0.2282, 0.3202

Triad

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



18.0209, 0.2615, 0.3740



18.0209, 0.2593, 0.2453



18.0209, 0.4193, 0.3691

Complementary

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



18.0209, 0.2615, 0.3740



8.4387, 0.4200, 0.2909

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.



18.0209, 0.4044, 0.3272



18.0209, 0.2615, 0.3740



18.0209, 0.3079, 0.2593

Square

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



18.0209, 0.2615, 0.3740



18.0209, 0.2273, 0.2499



18.0209, 0.3622, 0.2884



18.0209, 0.4027, 0.4058

Rectangle

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



18.0209, 0.2615, 0.3740



18.0209, 0.2179, 0.2883



18.0209, 0.3622, 0.2884



18.0209, 0.4179, 0.3553

Sweetspot

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



18.0216, 0.2615, 0.3740



36.3745, 0.2950, 0.3405



17.9493, 0.3252, 0.4861



8.1726, 0.2932, 0.3418



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.



18.0216, 0.2615, 0.3740



30.7985, 0.2546, 0.3869



14.7164, 0.2386, 0.2945



4.8669, 0.3027, 0.3351



16.0733, 0.2500, 0.4201



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.4387, 0.4200, 0.2909



12.0195, 0.4621, 0.2853



10.0108, 0.4471, 0.3589



4.3627, 0.3238, 0.3229



4.6775, 0.5749, 0.2941



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0209, 0.2615, 0.3740 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 18.0209, 0.2615, 0.3740 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 18.0209, 0.2615, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 18.0209, 0.2615, 0.3740.

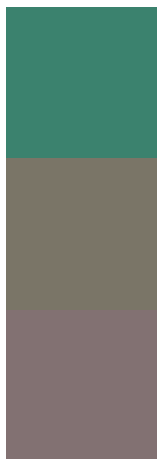


This preview shows how white text looks on a background with the Yxy color 18.0209, 0.2615, 0.3740.

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

18.0209, 0.2615, 0.3740

Protanopia

17.8394, 0.3363, 0.3563

Deuteranopia

17.7710, 0.3341, 0.3272



Tritanopia

17.9282, 0.2454, 0.3080

Trichromacy



Original Color

18.0209, 0.2615, 0.3740

Protanomaly

17.6123, 0.3027, 0.3625

Deuteranomaly

17.3290, 0.3010, 0.3413

Tritanomaly

17.8349, 0.2507, 0.3288

Monochromacy



Original Color

18.0209, 0.2615, 0.3740

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.4469, 0.2896, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0209, 0.2615, 0.3740 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(59, 130, 110)` looks like.

```
.text, #text, p{  
    color:rgb(59, 130, 110)  
}
```

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(59, 130, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 130, 110) }
```

Border

The CSS property to change the border of an element to Yxy 18.0209, 0.2615, 0.3740 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(59, 130, 110) }
```

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

```
.border{ border-color:rgb(59, 130, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 130, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 130, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 130, 110);  
box-shadow:4px 4px 4px 4px rgb(59, 130,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0209, 0.2615, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 130, 110) }
```

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

```
.background{ background-color: rgb(59, 130,  
110) }
```

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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