

Converting Colors

$Y_{xy}(18.0135, 0.2753, 0.3675)$

Have a look what the booklet for
Yxy(18.0135, 0.2753, 0.3675)
contains.

Yxy(18.1006, 0.2750, 0.3683)	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

$Y_{xy}(18.1006, 0.2750, 0.3683)$

Conversions

Conversions Part 1

Format	Color
Hex	4C806E
RGB	76, 128, 110
RGB Percent	30%, 50%, 43%
CMY	0.7019, 0.4980, 0.5687
CMYK	0.41, 0.00, 0.14, 0.50
HSL	159°, 25%, 40%
HSV	159°, 41%, 50%
XYZ	13.5152, 18.1006, 17.5305
YIQ	110.4000, -25.2140, -16.6220

Conversions

Conversions Part 2

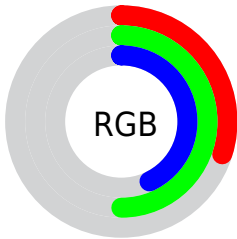
Format	Color
R_{YB}	76, 107, 128
Decimal	5013614
CIE _{Lab}	49.62, -21.86, 4.33
CIE _{LCh}	50, 22.286, 168.794
Yxy	18.1006, 0.2750, 0.3683
Android (android.graphics.Color)	4283203694 (0xFF4C806E)
YUV	110.4000, -0.1972, -30.1688
Hunter-Lab	42.5448, -17.7491, 5.3510

Details

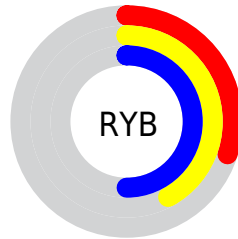
The Yxy color **18.1006, 0.2750, 0.3683** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5706, 0.3752, 0.2936**, and the grayscale version is **15.7217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1684, 0.2833, 0.3579**, and **6.0162, 0.2586, 0.3871** is the 20% darker color. If you saturate the color by 10%, you get **17.5338, 0.2679, 0.3800**, and if you desaturate by 10%, it is **18.7781, 0.2832, 0.3573**.

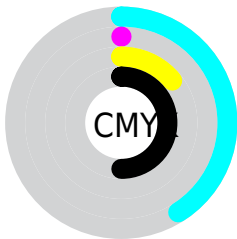
Distribution



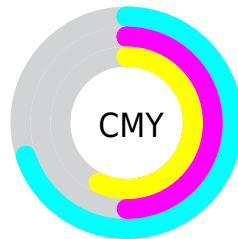
- Red (30%)
- Green (50%)
- Blue (43%)



- Red (30%)
- Yellow (42%)
- Blue (50%)



- Cyan (41%)
- Magenta (0%)
- Yellow (14%)
- Black (50%)




- Cyan (70%)
- Magenta (50%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1006, 0.2750, 0.3683 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 18.1006, 0.2750, 0.3683 by changing the saturation by 10% instead.


 18.1006, 0.2750,
0.3683


 18.1006, 0.2750,
0.3683


241.4375, 0.2970,
0.3451


 11.0222, 0.2681,
0.3758


 40.2087, 0.2839,
0.3588


 6.0818, 0.2581,
0.3867

 56.0072, 0.2870,
0.3556


 2.8949, 0.2423,
0.4042

 75.4812, 0.2895,
0.3530

 1.0771, 0.1983,
0.4466

 99.0151, 0.2915,
0.3509

 0.0000, 0.0000,
0.0000

 126.9932, 0.2932,
0.3491

159.8001, 0.2947,

0.3476

197.8200, 0.2959,
0.3463

■ 18.1006, 0.2750,
0.3683

■ 18.1006, 0.2750,
0.3683

■ 17.5338, 0.2679,
0.3800

■ 18.7781, 0.2832,
0.3573

■ 17.0691, 0.2622,
0.3922

■ 19.5697, 0.2923,
0.3472

■ 16.7003, 0.2582,
0.4049

■ 20.4817, 0.3020,
0.3379

■ 16.4197, 0.2559,
0.4178

■ 21.5191, 0.3121,
0.3295

■ 16.2180, 0.2556,
0.4307

■ 22.6864, 0.3223,
0.3219

 16.0727, 0.2563,
0.4427

 23.9883, 0.3325,
0.3152

 25.4290, 0.3426,
0.3092

 27.0126, 0.3524,
0.3039

 28.7429, 0.3620,
0.2993

Harmonies

Analogous

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



18.1006, 0.3154, 0.3986



18.1006, 0.2750, 0.3683



18.1006, 0.2459, 0.3265

Triad

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



18.1006, 0.2750, 0.3683



18.1006, 0.2666, 0.2602



18.1006, 0.3981, 0.3598

Complementary

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



18.1006, 0.2750, 0.3683



10.5706, 0.3752, 0.2936

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.



18.1006, 0.3837, 0.3253



18.1006, 0.2750, 0.3683



18.1006, 0.3053, 0.2703

Square

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



18.1006, 0.2750, 0.3683



18.1006, 0.2415, 0.2661



18.1006, 0.3488, 0.2935



18.1006, 0.3876, 0.3896

Rectangle

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



18.1006, 0.2750, 0.3683



18.1006, 0.2360, 0.3003



18.1006, 0.3488, 0.2935



18.1006, 0.3960, 0.3484

Sweetspot

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



18.1013, 0.2750, 0.3683



35.7781, 0.3004, 0.3394



18.3515, 0.3278, 0.4403



8.3361, 0.2994, 0.3403



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.



18.1013, 0.2750, 0.3683



30.9148, 0.2682, 0.3794



16.5780, 0.2565, 0.3122



4.8624, 0.3035, 0.3366



15.9377, 0.2563, 0.4427



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.5706, 0.3752, 0.2936



15.6885, 0.3977, 0.2856



11.4246, 0.4034, 0.3448



4.3670, 0.3228, 0.3216



4.7337, 0.5513, 0.2810



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1006, 0.2750, 0.3683 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 18.1006, 0.2750, 0.3683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

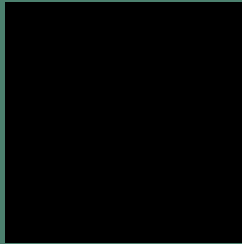
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1006, 0.2750, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 18.1006, 0.2750, 0.3683.

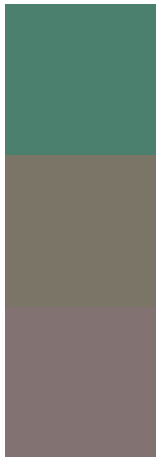


This preview shows how white text looks on a background with the Yxy color 18.1006, 0.2750, 0.3683.

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

18.1006, 0.2750, 0.3683

Protanopia

17.9330, 0.3364, 0.3543

Deuteranopia

17.9727, 0.3352, 0.3309



Tritanopia

18.2103, 0.2573, 0.3085

Trichromacy



Original Color

18.1006, 0.2750, 0.3683

Protanomaly

17.7795, 0.3113, 0.3598

Deuteranomaly

17.6785, 0.3096, 0.3431

Tritanomaly

18.1335, 0.2636, 0.3289

Monochromacy



Original Color

18.1006, 0.2750, 0.3683

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.4450, 0.2971, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1006, 0.2750, 0.3683 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(76, 128, 110)` looks like.

```
.text, #text, p{  
  color:rgb(76, 128, 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(76, 128, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 128, 110) }
```

Border

The CSS property to change the border of an element to Yxy 18.1006, 0.2750, 0.3683 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(76, 128, 110) }
```

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

```
.border{ border-color:rgb(76, 128, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 128, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 128, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 128, 110);  
box-shadow:4px 4px 4px 4px rgb(76, 128,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1006, 0.2750, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 128, 110) }
```

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

```
.background{ background-color: rgb(76, 128,  
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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