

Converting Colors

$Y_{xy}(17.9213, 0.2784, 0.3748)$

Have a look what the booklet for
Yxy(17.9213, 0.2784, 0.3748)
contains.

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Color

Yxy(18.0364, 0.2778, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	4C806B
RGB	76, 128, 107
RGB Percent	30%, 50%, 42%
CMY	0.7018, 0.4980, 0.5805
CMYK	0.41, 0.00, 0.16, 0.50
HSL	156°, 25%, 40%
HSV	156°, 41%, 50%
XYZ	13.3542, 18.0364, 16.6808
YIQ	110.0580, -24.2510, -17.5550

Conversions

Conversions Part 2

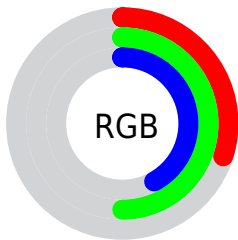
Format	Color
R_{YB}	76, 109, 128
Decimal	5013611
CIE _{Lab}	49.54, -22.57, 5.98
CIE _{LCh}	50, 23.347, 165.148
Yxy	18.0364, 0.2778, 0.3752
Android (android.graphics.Color)	4283203691 (0xFF4C806B)
YUV	110.0580, -1.5076, -29.8689
Hunter-Lab	42.4693, -18.1929, 6.4410

Details

The Yxy color **18.0364, 0.2778, 0.3752** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.6264, 0.3696, 0.2877**, and the grayscale version is **15.6218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0284, 0.2862, 0.3642**, and **5.9946, 0.2612, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **17.4580, 0.2712, 0.3890**, and if you desaturate by 10%, it is **18.7271, 0.2854, 0.3623**.

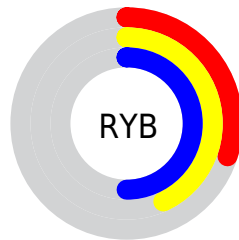
Distribution



Red (30%)

Green (50%)

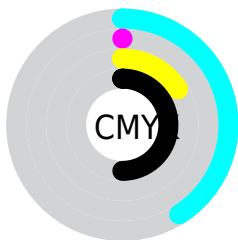
Blue (42%)



Red (30%)

Yellow (43%)

Blue (50%)

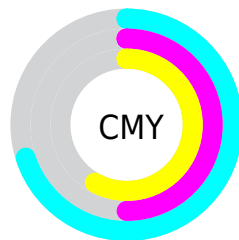


Cyan (41%)

Magenta (0%)

Yellow (16%)

Black (50%)



Cyan (70%)


Magenta (50%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0364, 0.2778, 0.3752 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 18.0364, 0.2778, 0.3752 by changing the saturation by 10% instead.


 18.0364, 0.2778,
0.3752


 18.0364, 0.2778,
0.3752


241.0761, 0.2983,
0.3478


 10.9761, 0.2713,
0.3841


 40.0993, 0.2862,
0.3639


 6.0508, 0.2618,
0.3973

 55.8708, 0.2890,
0.3601

 2.8760, 0.2466,
0.4185

 75.3148, 0.2913,
0.3570

 1.0673, 0.2011,
0.4740

 98.8156, 0.2932,
0.3545

 0.0000, 0.0000,
0.0000

 126.7578, 0.2948,
0.3524

159.5257, 0.2961,

0.3507

197.5037, 0.2973,
0.3491

■ 18.0364, 0.2778,
0.3752

■ 18.0364, 0.2778,
0.3752

■ 17.4580, 0.2712,
0.3890

■ 18.7271, 0.2854,
0.3623

■ 16.9834, 0.2660,
0.4036

■ 19.5338, 0.2939,
0.3503

■ 16.6064, 0.2625,
0.4186


■ 20.4625, 0.3029,
0.3394


■ 16.3190, 0.2607,
0.4338

■ 21.5184, 0.3122,
0.3296


■ 16.1121, 0.2608,
0.4489

■ 22.7062, 0.3215,
0.3207

 15.9632, 0.2619,
0.4630

 24.0305, 0.3309,
0.3129

 25.4954, 0.3401,
0.3059

 27.1052, 0.3490,
0.2998

 28.8637, 0.3576,
0.2944

Harmonies

Analogous

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



18.0364, 0.3208, 0.4046



18.0364, 0.2778, 0.3752



18.0364, 0.2456, 0.3316

Triad

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



18.0364, 0.2778, 0.3752



18.0364, 0.2604, 0.2569



18.0364, 0.4018, 0.3567

Complementary

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



18.0364, 0.2778, 0.3752



10.6264, 0.3696, 0.2877

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.



18.0364, 0.3837, 0.3207



18.0364, 0.2778, 0.3752



18.0364, 0.2995, 0.2656

Square

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



18.0364, 0.2778, 0.3752



18.0364, 0.2363, 0.2652



18.0364, 0.3451, 0.2883



18.0364, 0.3938, 0.3891

Rectangle

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



18.0364, 0.2778, 0.3752



18.0364, 0.2338, 0.3034



18.0364, 0.3451, 0.2883



18.0364, 0.3986, 0.3447

Sweetspot

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



18.0371, 0.2778, 0.3752



35.7382, 0.3013, 0.3412



18.5397, 0.3320, 0.4388



8.3260, 0.3004, 0.3423



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.



18.0371, 0.2778, 0.3752



30.7817, 0.2715, 0.3884



17.4288, 0.2576, 0.3197



4.8583, 0.3043, 0.3379



15.8289, 0.2619, 0.4630



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.6264, 0.3696, 0.2877



15.7971, 0.3898, 0.2784



10.9019, 0.4061, 0.3379



4.3709, 0.3220, 0.3203



4.7947, 0.5284, 0.2685



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0364, 0.2778, 0.3752 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 18.0364, 0.2778, 0.3752 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 18.0364, 0.2778, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 18.0364, 0.2778, 0.3752.

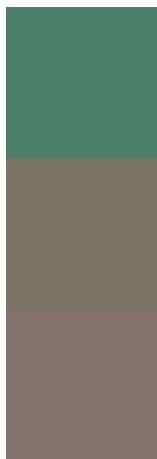


This preview shows how white text looks on a background with the Yxy color 18.0364, 0.2778, 0.3752.

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

18.0364, 0.2778, 0.3752

Protanopia

17.8731, 0.3401, 0.3602

Deuteranopia

17.7613, 0.3407, 0.3347



Tritanopia

17.9755, 0.2587, 0.3084

Trichromacy



Original Color

18.0364, 0.2778, 0.3752

Protanomaly

17.7182, 0.3147, 0.3661

Deuteranomaly

17.4405, 0.3144, 0.3472

Tritanomaly

17.8279, 0.2651, 0.3310

Monochromacy



Original Color

18.0364, 0.2778, 0.3752

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.4234, 0.2982, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0364, 0.2778, 0.3752 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, 107)` looks like.

```
.text, #text, p{  
  color:rgb(76, 128, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 128, 107) }
```

Border

The CSS property to change the border of an element to Yxy 18.0364, 0.2778, 0.3752 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, 107) }
```

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

```
.border{ border-color:rgb(76, 128, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 128, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 128, 107);  
box-shadow:4px 4px 4px 4px rgb(76, 128,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0364, 0.2778, 0.3752 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, 107) }
```

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

```
.background{ background-color: rgb(76, 128,  
107) }
```

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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