

Converting Colors

$Y_{xy}(17.9839, 0.2774, 0.3731)$

Have a look what the booklet for
Yxy(17.9839, 0.2774, 0.3731)
contains.

Yxy(18.0576, 0.2768, 0.3729)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(18.0576, 0.2768, 0.3729)$

Conversions

Conversions Part 1

Format	Color
Hex	4C806C
RGB	76, 128, 108
RGB Percent	30%, 50%, 42%
CMY	0.7021, 0.4980, 0.5765
CMYK	0.41, 0.00, 0.16, 0.50
HSL	157°, 26%, 40%
HSV	157°, 41%, 50%
XYZ	13.4040, 18.0576, 16.9632
YIQ	110.1720, -24.5720, -17.2440

Conversions

Conversions Part 2

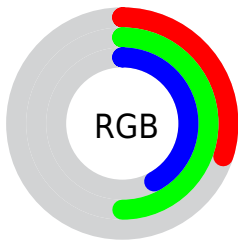
Format	Color
RYB	76, 108, 128
Decimal	5013612
CIELab	49.57, -22.36, 5.43
CIELCh	50, 23.005, 166.352
Yxy	18.0576, 0.2768, 0.3729
Android (android.graphics.Color)	4283203692 (0xFF4C806C)
YUV	110.1720, -1.0708, -29.9688
Hunter-Lab	42.4942, -18.0606, 6.0781

Details

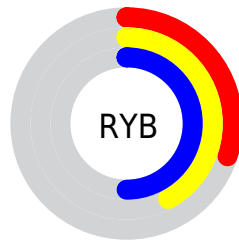
The Yxy color **18.0576, 0.2768, 0.3729** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5986, 0.3716, 0.2897**, and the grayscale version is **15.6514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0630, 0.2855, 0.3627**, and **6.0053, 0.2599, 0.3909** is the 20% darker color. If you saturate the color by 10%, you get **17.4835, 0.2701, 0.3860**, and if you desaturate by 10%, it is **18.7434, 0.2846, 0.3606**.

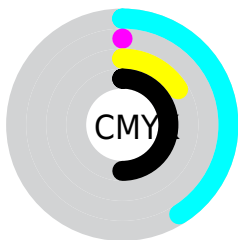
Distribution



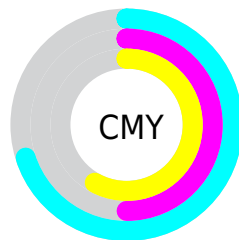
- Red (30%)
- Green (50%)
- Blue (42%)



- Red (30%)
- Yellow (42%)
- 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 18.0576, 0.2768, 0.3729 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 18.0576, 0.2768, 0.3729 by changing the saturation by 10% instead.


 18.0576, 0.2768,
0.3729


 18.0576, 0.2768,
0.3729


241.1955, 0.2978,
0.3469


 10.9913, 0.2701,
0.3813


 40.1354, 0.2854,
0.3622


 6.0610, 0.2604,
0.3937

 55.9158, 0.2883,
0.3586


 2.8822, 0.2451,
0.4138

 75.3697, 0.2907,
0.3557

 1.0706, 0.1999,
0.4645

 98.8815, 0.2926,
0.3533

 0.0000, 0.0000,
0.0000

 126.8356, 0.2942,
0.3513

159.6164, 0.2956,

0.3496

197.6082, 0.2968,
0.3482

■ 18.0576, 0.2768,
0.3729

■ 18.0576, 0.2768,
0.3729

■ 17.4835, 0.2701,
0.3860

■ 18.7434, 0.2846,
0.3606

■ 17.0126, 0.2647,
0.3998

■ 19.5445, 0.2933,
0.3493

■ 16.6387, 0.2610,
0.4140

■ 20.4671, 0.3025,
0.3389

■ 16.3538, 0.2590,
0.4284


■ 21.5161, 0.3121,
0.3296

■ 16.1488, 0.2590,
0.4428


■ 22.6964, 0.3218,
0.3212

 16.0018, 0.2600,
0.4561

 24.0124, 0.3314,
0.3137

 25.4685, 0.3409,
0.3071

 27.0687, 0.3501,
0.3012

 28.8169, 0.3591,
0.2961

Harmonies

Analogous

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



18.0576, 0.3190, 0.4026



18.0576, 0.2768, 0.3729



18.0576, 0.2456, 0.3299

Triad

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



18.0576, 0.2768, 0.3729



18.0576, 0.2624, 0.2580



18.0576, 0.4007, 0.3578

Complementary

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



18.0576, 0.2768, 0.3729



10.5986, 0.3716, 0.2897

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.



18.0576, 0.3838, 0.3222



18.0576, 0.2768, 0.3729



18.0576, 0.3014, 0.2671

Square

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



18.0576, 0.2768, 0.3729



18.0576, 0.2380, 0.2654



18.0576, 0.3464, 0.2901



18.0576, 0.3918, 0.3893

Rectangle

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



18.0576, 0.2768, 0.3729



18.0576, 0.2345, 0.3023



18.0576, 0.3464, 0.2901



18.0576, 0.3978, 0.3460

Sweetspot

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



18.0583, 0.2768, 0.3729



35.7518, 0.3010, 0.3406



18.4916, 0.3310, 0.4393



8.3295, 0.3000, 0.3416



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.



18.0583, 0.2768, 0.3729



30.8265, 0.2704, 0.3853



17.2114, 0.2573, 0.3178



4.8597, 0.3040, 0.3374



15.8648, 0.2600, 0.4560



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.5986, 0.3716, 0.2897



15.7594, 0.3925, 0.2808



11.0217, 0.4056, 0.3397



4.3695, 0.3223, 0.3207



4.7727, 0.5364, 0.2728



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0576, 0.2768, 0.3729 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 18.0576, 0.2768, 0.3729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

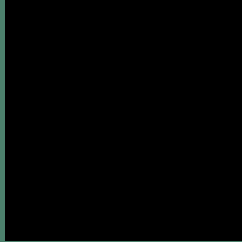
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0576, 0.2768, 0.3729

Background



This preview shows how black text looks on a background with the Yxy color 18.0576, 0.2768, 0.3729.

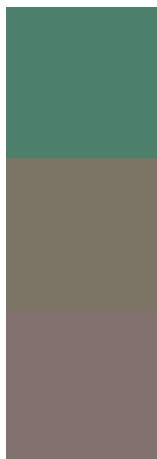


This preview shows how white text looks on a background with the Yxy color 18.0576, 0.2768, 0.3729.

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

18.0576, 0.2768, 0.3729

Protanopia

17.8928, 0.3389, 0.3582

Deuteranopia

17.7832, 0.3394, 0.3328



Tritanopia

17.9304, 0.2578, 0.3084

Trichromacy



Original Color

18.0576, 0.2768, 0.3729

Protanomaly

17.7384, 0.3135, 0.3640

Deuteranomaly

17.4622, 0.3132, 0.3451

Tritanomaly

17.8534, 0.2642, 0.3289

Monochromacy



Original Color

18.0576, 0.2768, 0.3729

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 18.0576, 0.2768, 0.3729 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(76, 128, 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(76, 128, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 128, 108) }
```

Border

The CSS property to change the border of an element to Yxy 18.0576, 0.2768, 0.3729 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, 108) }
```

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

```
.border{ border-color:rgb(76, 128, 108) }
```

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, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 128, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 128, 108);  
box-shadow:4px 4px 4px 4px rgb(76, 128,  
108) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 18.0576, 0.2768, 0.3729$ 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, 108) }
```

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

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