

Converting Colors

$Y_{xy}(18.3402, 0.2551, 0.3289)$

Have a look what the booklet for
Yxy(18.3402, 0.2551, 0.3289)
contains.

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Color

Yxy(18.3364, 0.2549, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	478080
RGB	71, 128, 128
RGB Percent	28%, 50%, 50%
CMY	0.7215, 0.4980, 0.4980
CMYK	0.45, 0.00, 0.00, 0.50
HSL	180°, 29%, 39%
HSV	180°, 45%, 50%
XYZ	14.2152, 18.3364, 23.2161
YIQ	110.9570, -33.9720, -12.0840

Conversions

Conversions Part 2

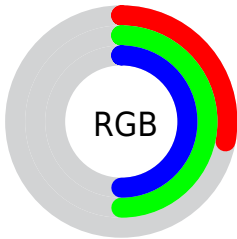
Format	Color
RYB	71, 100, 128
Decimal	4685952
CIELab	49.90, -18.65, -5.86
CIELCh	50, 19.553, 197.438
Yxy	18.3364, 0.2549, 0.3288
Android (android.graphics.Color)	4282876032 (0xFF478080)
YUV	110.9570, 8.4022, -35.0423
Hunter-Lab	42.8210, -15.6807, -2.1703

Details

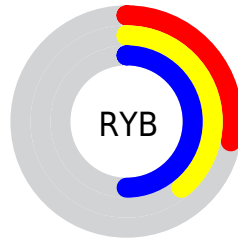
The Yxy color **18.3364, 0.2549, 0.3288** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9.5551, 0.4239, 0.3294**, and the grayscale version is **15.8671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5949, 0.2676, 0.3289**, and **6.2580, 0.2314, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **17.9022, 0.2456, 0.3288**, and if you desaturate by 10%, it is **18.8741, 0.2658, 0.3288**.

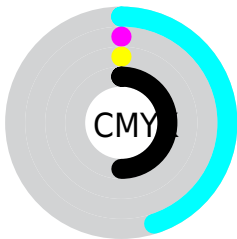
Distribution



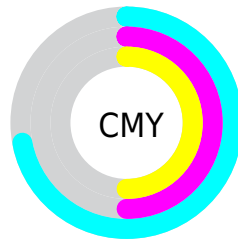
- Red (28%)
- Green (50%)
- Blue (50%)



- Red (28%)
- Yellow (39%)
- Blue (50%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)




- Cyan (72%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3364, 0.2549, 0.3288 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 18.3364, 0.2549, 0.3288 by changing the saturation by 10% instead.


 18.3364, 0.2549,
0.3288

 18.3364, 0.2549,
0.3288


242.7604, 0.2878,
0.3295


 11.1918, 0.2450,
0.3283


 40.6097, 0.2680,
0.3293


 6.1960, 0.2311,
0.3273

 56.5072, 0.2725,
0.3294

 2.9646, 0.2103,
0.3252

 76.0911, 0.2763,
0.3294

 1.1133, 0.1698,
0.3223

 99.7458, 0.2793,
0.3294

 0.0000, 0.0000,
0.0000

 127.8556, 0.2820,
0.3295

160.8051, 0.2842,

0.3295

198.9786, 0.2861,
0.3295

■ 18.3364, 0.2549,
0.3288

■ 18.3364, 0.2549,
0.3288

■ 17.9022, 0.2456,
0.3288

■ 18.8741, 0.2658,
0.3288

■ 17.5627, 0.2380,
0.3287

■ 19.5189, 0.2781,
0.3289

■ 17.3117, 0.2322,
0.3287


■ 20.2770, 0.2916,
0.3289

■ 17.1407, 0.2282,
0.3287

■ 21.1536, 0.3060,
0.3290

■ 17.0384, 0.2257,
0.3287

■ 22.1534, 0.3210,
0.3290

 16.9928, 0.2246,
0.3287

 23.2808, 0.3364,
0.3291

 24.5402, 0.3519,
0.3291

 25.9357, 0.3674,
0.3292

 27.4711, 0.3826,
0.3292

Harmonies

Analogous

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



18.3364, 0.2813, 0.3646



18.3364, 0.2549, 0.3288



18.3364, 0.2436, 0.2957

Triad

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



18.3364, 0.2549, 0.3288



18.3364, 0.3048, 0.2764



18.3364, 0.3792, 0.3815

Complementary

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



18.3364, 0.2549, 0.3288



9.5551, 0.4239, 0.3294

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.



18.3364, 0.3871, 0.3553



18.3364, 0.2549, 0.3288



18.3364, 0.3427, 0.2967

Square

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



18.3364, 0.2549, 0.3288



18.3364, 0.2710, 0.2682



18.3364, 0.3736, 0.3248



18.3364, 0.3531, 0.3955

Rectangle

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



18.3364, 0.2549, 0.3288



18.3364, 0.2456, 0.2800



18.3364, 0.3736, 0.3248



18.3364, 0.3841, 0.3737

Sweetspot

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



18.3371, 0.2549, 0.3288



35.8714, 0.2933, 0.3289



17.2368, 0.3065, 0.4611



8.3337, 0.2906, 0.3289



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.



18.3371, 0.2549, 0.3288



31.5340, 0.2459, 0.3288



11.9201, 0.2442, 0.2645



4.8867, 0.2993, 0.3290



16.8461, 0.2246, 0.3287



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.6569, 0.3176, 0.2248



16.2582, 0.3186, 0.2051



14.0665, 0.3984, 0.3851



4.4124, 0.3137, 0.3077



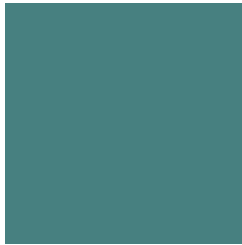
6.0951, 0.3210, 0.1542



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3364, 0.2549, 0.3288 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 18.3364, 0.2549, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

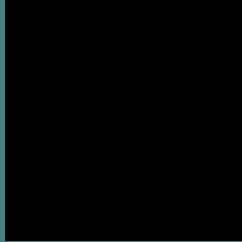
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3364, 0.2549, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 18.3364, 0.2549, 0.3288.



This preview shows how white text looks on a background with the Yxy color 18.3364, 0.2549, 0.3288.

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

18.3364, 0.2549, 0.3288

Protanopia

18.0497, 0.3094, 0.3194

Deuteranopia

18.1852, 0.3053, 0.2994



Tritanopia

18.4407, 0.2496, 0.3083

Trichromacy



Original Color

18.3364, 0.2549, 0.3288

Protanomaly

17.9548, 0.2869, 0.3229

Deuteranomaly

18.0479, 0.2840, 0.3093

Tritanomaly

18.3164, 0.2512, 0.3143

Monochromacy



Original Color

18.3364, 0.2549, 0.3288

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4937, 0.2871, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3364, 0.2549, 0.3288 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(71, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(71, 128, 128)  
}
```

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(71, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 128, 128) }
```

Border

The CSS property to change the border of an element to Yxy 18.3364, 0.2549, 0.3288 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(71, 128, 128) }
```

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

```
.border{ border-color:rgb(71, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(71, 128,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3364, 0.2549, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 128, 128) }
```

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

```
.background{ background-color: rgb(71, 128,  
128) }
```

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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