

Converting Colors

$Y_{xy}(18.4518, 0.2704, 0.3437)$

Have a look what the booklet for
Yxy(18.4518, 0.2704, 0.3437)
contains.

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Color

Yxy(18.5882, 0.2713, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	528078
RGB	82, 128, 120
RGB Percent	32%, 50%, 47%
CMY	0.6786, 0.4980, 0.5293
CMYK	0.36, 0.00, 0.06, 0.50
HSL	170°, 22%, 41%
HSV	170°, 36%, 50%
XYZ	14.5877, 18.5882, 20.5938
YIQ	113.3340, -24.8480, -12.2400

Conversions

Conversions Part 2

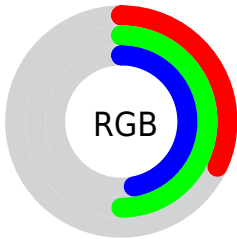
Format	Color
R_{YB}	82, 107, 128
Decimal	5406840
CIE _{Lab}	50.20, -17.65, -0.66
CIE _{LCh}	50, 17.663, 182.149
Yxy	18.5882, 0.2713, 0.3457
Android (android.graphics.Color)	4283596920 (0xFF528078)
YUV	113.3340, 3.2863, -27.4799
Hunter-Lab	43.1140, -15.0537, 1.8594

Details

The Yxy color **18.5882, 0.2713, 0.3457** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.3571, 0.3796, 0.3133**, and the grayscale version is **16.6121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0129, 0.2808, 0.3423**, and **6.3832, 0.2538, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **18.0146, 0.2621, 0.3511**, and if you desaturate by 10%, it is **19.2717, 0.2818, 0.3406**.

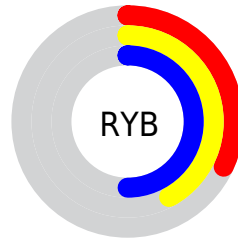
Distribution



Red (32%)

Green (50%)

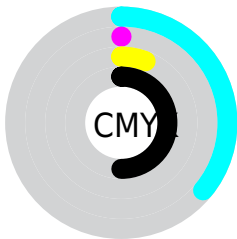
Blue (47%)



Red (32%)

Yellow (42%)

Blue (50%)

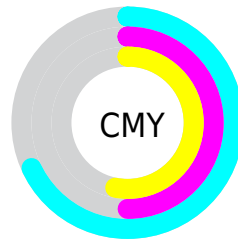


Cyan (36%)

Magenta (0%)

Yellow (6%)

Black (50%)



Cyan (68%)

Magenta (50%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5882, 0.2713, 0.3457 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 18.5882, 0.2713, 0.3457 by changing the saturation by 10% instead.


 18.5882, 0.2713,
0.3457


 18.5882, 0.2713,
0.3457


244.1659, 0.2951,
0.3362

 11.3731, 0.2640,
0.3486


 41.0371, 0.2808,
0.3419


 6.3184, 0.2537,
0.3526


 57.0397, 0.2841,
0.3406

 3.0396, 0.2379,
0.3588

 76.7402, 0.2868,
0.3395

 1.1525, 0.2069,
0.3711

 100.5231, 0.2890,
0.3386

 0.0224, 0.0000,
0.2403

 128.7727, 0.2909,
0.3379

 0.0000, 0.0000,
0.0000

161.8734, 0.2925,

0.3372

200.2097, 0.2939,
0.3367

■ 18.5882, 0.2713,
0.3457

■ 18.5882, 0.2713,
0.3457

■ 18.0146, 0.2621,
0.3511

■ 19.2717, 0.2818,
0.3406

■ 17.5425, 0.2542,
0.3568

■ 20.0682, 0.2932,
0.3358

■ 17.1662, 0.2481,
0.3627


■ 20.9837, 0.3053,
0.3314

■ 16.8783, 0.2437,
0.3687

■ 22.0229, 0.3178,
0.3274

■ 16.6705, 0.2410,
0.3747

■ 23.1905, 0.3306,
0.3238

 16.5284, 0.2401,
0.3807

 24.4907, 0.3434,
0.3206

 16.4763, 0.2398,
0.3831

 25.9277, 0.3561,
0.3178

 27.5054, 0.3685,
0.3153

 29.2276, 0.3806,
0.3131

Harmonies

Analogous

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



18.5882, 0.3004, 0.3742



18.5882, 0.2713, 0.3457



18.5882, 0.2536, 0.3135

Triad

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



18.5882, 0.2713, 0.3457



18.5882, 0.2891, 0.2760



18.5882, 0.3785, 0.3656

Complementary

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



18.5882, 0.2713, 0.3457



11.3571, 0.3796, 0.3133

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.



18.5882, 0.3756, 0.3391



18.5882, 0.2713, 0.3457



18.5882, 0.3225, 0.2892

Square

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



18.5882, 0.2713, 0.3457



18.5882, 0.2634, 0.2752



18.5882, 0.3547, 0.3117



18.5882, 0.3628, 0.3844

Rectangle

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



18.5882, 0.2713, 0.3457



18.5882, 0.2500, 0.2954



18.5882, 0.3547, 0.3117



18.5882, 0.3797, 0.3572

Sweetspot

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



18.5889, 0.2713, 0.3457



36.0622, 0.2988, 0.3337



18.2430, 0.3174, 0.4290



8.4017, 0.2975, 0.3342



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.



18.5889, 0.2713, 0.3457



31.8992, 0.2638, 0.3500



15.2571, 0.2600, 0.2977



4.8745, 0.3014, 0.3328



16.3359, 0.2398, 0.3831



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.3571, 0.3796, 0.3133



17.2289, 0.4022, 0.3098



13.6644, 0.3841, 0.3580



4.3555, 0.3253, 0.3253



4.6089, 0.6078, 0.3122



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5882, 0.2713, 0.3457 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.5882, 0.2713, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

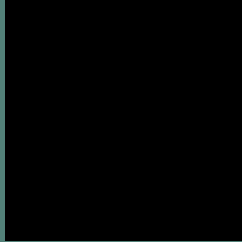
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5882, 0.2713, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 18.5882, 0.2713, 0.3457.

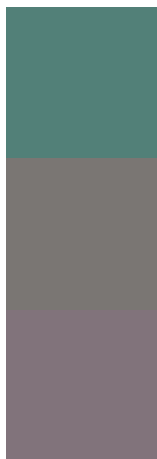


This preview shows how white text looks on a background with the Yxy color 18.5882, 0.2713, 0.3457.

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

18.5882, 0.2713, 0.3457

Protanopia

18.3322, 0.3214, 0.3348

Deuteranopia

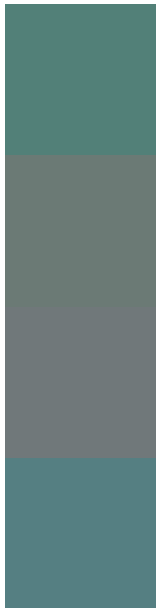
18.3587, 0.3212, 0.3143



Tritanopia

18.6777, 0.2603, 0.3088

Trichromacy



Original Color

18.5882, 0.2713, 0.3457

Protanomaly

18.3292, 0.3002, 0.3390

Deuteranomaly

18.2828, 0.3007, 0.3251

Tritanomaly

18.7217, 0.2649, 0.3227

Monochromacy



Original Color

18.5882, 0.2713, 0.3457

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.0426, 0.2953, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5882, 0.2713, 0.3457 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(82, 128, 120)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 120)  
}
```

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(82, 128, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 120) }
```

Border

The CSS property to change the border of an element to Yxy 18.5882, 0.2713, 0.3457 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(82, 128, 120) }
```

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

```
.border{ border-color:rgb(82, 128, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 120);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5882, 0.2713, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 120) }
```

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

```
.background{ background-color: rgb(82, 128,  
120) }
```

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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