

Converting Colors

$Y_{xy}(18.3760, 0.2458, 0.3527)$

Have a look what the booklet for
Yxy(18.3760, 0.2458, 0.3527)
contains.

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Color

Yxy(18.4873, 0.2460, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	2F8479
RGB	47, 132, 121
RGB Percent	18%, 52%, 47%
CMY	0.8155, 0.4824, 0.5255
CMYK	0.64, 0.00, 0.08, 0.48
HSL	172°, 47%, 35%
HSV	172°, 64%, 52%
XYZ	12.8762, 18.4873, 20.9788
YIQ	105.3310, -47.1290, -21.4410

Conversions

Conversions Part 2

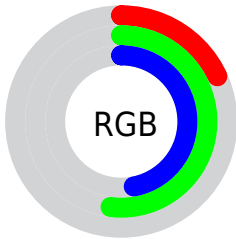
Format	Color
RYB	47, 92, 132
Decimal	3114105
CIELab	50.08, -28.04, -1.58
CIElCh	50, 28.085, 183.226
Yxy	18.4873, 0.2460, 0.3532
Android (android.graphics.Color)	4281304185 (0xFF2F8479)
YUV	105.3310, 7.7248, -51.1563
Hunter-Lab	42.9969, -21.7894, 1.1693

Details

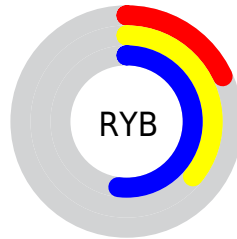
The Yxy color **18.4873, 0.2460, 0.3532** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.2482, 0.4837, 0.3103**, and the grayscale version is **14.2129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0780, 0.2617, 0.3489**, and **6.5156, 0.2335, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **18.1785, 0.2410, 0.3576**, and if you desaturate by 10%, it is **18.8932, 0.2528, 0.3489**.

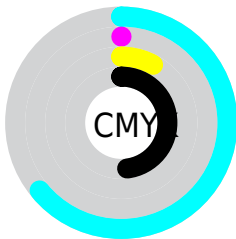
Distribution



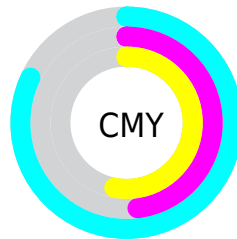
- Red (18%)
- Green (52%)
- Blue (47%)



- Red (18%)
- Yellow (36%)
- Blue (52%)



- Cyan (64%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)




- Cyan (82%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4873, 0.2460, 0.3532 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 18.4873, 0.2460, 0.3532 by changing the saturation by 10% instead.


 18.4873, 0.2460,
0.3532


 18.4873, 0.2460,
0.3532


243.6036, 0.2841,
0.3396


 11.3004, 0.2345,
0.3572


 40.8659, 0.2612,
0.3478


 6.2693, 0.2184,
0.3627


 56.8265, 0.2665,
0.3460

 3.0095, 0.1941,
0.3707

 76.4803, 0.2708,
0.3444

 1.1367, 0.1304,
0.3939

 100.2119, 0.2743,
0.3431

 0.0091, 0.0000,
0.0701

 128.4057, 0.2773,
0.3420

 0.0000, 0.0000,
0.0000

 161.4459, 0.2799,

0.3411

199.7171, 0.2821,
0.3403

■ 18.4873, 0.2460,
0.3532

■ 18.4873, 0.2460,
0.3532

■ 18.1785, 0.2410,
0.3576

■ 18.8932, 0.2528,
0.3489

■ 17.9558, 0.2378,
0.3620

■ 19.4019, 0.2612,
0.3448

■ 17.8081, 0.2363,
0.3663

■ 20.0210, 0.2710,
0.3408

■ 17.7378, 0.2358,
0.3688

■ 20.7569, 0.2821,
0.3370

■ 21.6154, 0.2942,
0.3335

■ 22.6020, 0.3070,
0.3303

■ 23.7219, 0.3202,
0.3274

■ 24.9800, 0.3337,
0.3248

■ 26.3808, 0.3473,
0.3224

Harmonies

Analogous

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



18.4873, 0.2900, 0.4023



18.4873, 0.2460, 0.3532



18.4873, 0.2207, 0.3006

Triad

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



18.4873, 0.2460, 0.3532



18.4873, 0.2766, 0.2485



18.4873, 0.4166, 0.3847

Complementary

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



18.4873, 0.2460, 0.3532



7.2482, 0.4837, 0.3103

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.



18.4873, 0.4143, 0.3436



18.4873, 0.2460, 0.3532



18.4873, 0.3293, 0.2690

Square

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



18.4873, 0.2460, 0.3532



18.4873, 0.2373, 0.2455



18.4873, 0.3813, 0.3027



18.4873, 0.3893, 0.4164

Rectangle

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



18.4873, 0.2460, 0.3532



18.4873, 0.2163, 0.2731



18.4873, 0.3813, 0.3027



18.4873, 0.4194, 0.3715

Sweetspot

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



18.4880, 0.2460, 0.3532



37.2827, 0.2880, 0.3353



17.6185, 0.3126, 0.5230



8.5947, 0.2850, 0.3361



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.4880, 0.2460, 0.3532



31.8334, 0.2394, 0.3595



11.5496, 0.2214, 0.2563



5.2688, 0.3008, 0.3318



17.1756, 0.2358, 0.3687



0.0602, 0.2298, 0.3474

Inverse Universe

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



7.2482, 0.4837, 0.3103



10.4003, 0.5447, 0.3109



10.5877, 0.4656, 0.3861



4.6978, 0.3260, 0.3262



4.7897, 0.6184, 0.3180



0.0172, 0.5447, 0.2774

Previews

White Background



This preview shows how the Yxy color 18.4873, 0.2460, 0.3532 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 18.4873, 0.2460, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

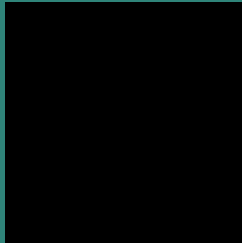
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4873, 0.2460, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 18.4873, 0.2460, 0.3532.

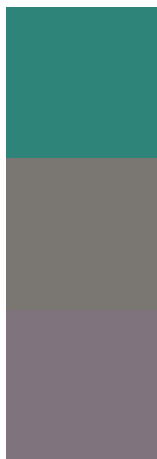


This preview shows how white text looks on a background with the Yxy color 18.4873, 0.2460, 0.3532.

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

18.4873, 0.2460, 0.3532

Protanopia

18.2867, 0.3238, 0.3386

Deuteranopia

18.2542, 0.3161, 0.3105



Tritanopia

18.4062, 0.2353, 0.3058

Trichromacy



Original Color

18.4873, 0.2460, 0.3532

Protanomaly

17.8598, 0.2876, 0.3435

Deuteranomaly

17.7267, 0.2825, 0.3228

Tritanomaly

18.3888, 0.2390, 0.3224

Monochromacy



Original Color

18.4873, 0.2460, 0.3532

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.2940, 0.2795, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4873, 0.2460, 0.3532 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(47, 132, 121)` looks like.

```
.text, #text, p{  
    color:rgb(47, 132, 121)  
}
```

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(47, 132, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 132, 121) }
```

Border

The CSS property to change the border of an element to Yxy 18.4873, 0.2460, 0.3532 is called "border". The border property can be set on classes, ids or directly on the HTML element.

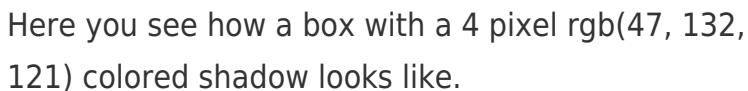
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 132, 121) }
```

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

```
.border{ border-color:rgb(47, 132, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(47, 132, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 132, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 132, 121);  
box-shadow:4px 4px 4px 4px rgb(47, 132,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4873, 0.2460, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 132, 121) }
```

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

```
.background{ background-color: rgb(47, 132,  
121) }
```

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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