

Converting Colors

$Y_{xy}(18.7645, 0.2443, 0.3513)$

Have a look what the booklet for
Yxy(18.7645, 0.2443, 0.3513)
contains.

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Color

$Y_{xy}(18.7630, 0.2439, 0.3508)$

Conversions

Conversions Part 1

Format	Color
Hex	2D857B
RGB	45, 133, 123
RGB Percent	18%, 52%, 48%
CMY	0.8236, 0.4784, 0.5176
CMYK	0.66, 0.00, 0.08, 0.48
HSL	173°, 49%, 35%
HSV	173°, 66%, 52%
XYZ	13.0453, 18.7630, 21.6780
YIQ	105.5480, -49.2380, -21.7660

Conversions

Conversions Part 2

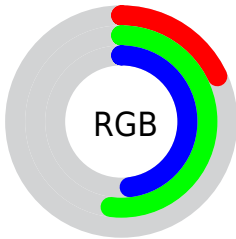
Format	Color
R_{YB}	45, 92, 133
Decimal	2983291
CIE _{Lab}	50.41, -28.33, -2.29
CIE _{LCh}	50, 28.423, 184.613
Yxy	18.7630, 0.2439, 0.3508
Android (android.graphics.Color)	4281173371 (0xFF2D857B)
YUV	105.5480, 8.6038, -53.1006
Hunter-Lab	43.3163, -22.0457, 0.6492

Details

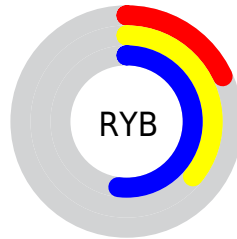
The Yxy color **18.7630, 0.2439, 0.3508** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.1386, 0.4949, 0.3126**, and the grayscale version is **14.2695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4606, 0.2596, 0.3473**, and **6.6809, 0.2334, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **18.4707, 0.2391, 0.3546**, and if you desaturate by 10%, it is **19.1525, 0.2505, 0.3471**.

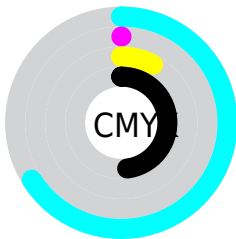
Distribution



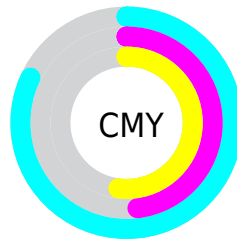
- Red (18%)
- Green (52%)
- Blue (48%)



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



- Cyan (66%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)





- Cyan (82%)
- Magenta (48%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7630, 0.2439, 0.3508 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 18.7630, 0.2439, 0.3508 by changing the saturation by 10% instead.


 18.7630, 0.2439,
0.3508


 18.7630, 0.2439,
0.3508


 245.1372, 0.2830,
0.3387


 11.4992, 0.2322,
0.3542


 41.3332, 0.2595,
0.3461


 6.4036, 0.2158,
0.3589


 57.4084, 0.2649,
0.3444


 3.0920, 0.1912,
0.3656

 77.1895, 0.2693,
0.3430

 1.1800, 0.1314,
0.3841

 101.0609, 0.2730,
0.3419

 0.0453, 0.0000,
0.1779

 129.4070, 0.2761,
0.3409

 0.0000, 0.0000,
0.0000

 162.6121, 0.2787,

0.3401

201.0607, 0.2810,
0.3394

■ 18.7630, 0.2439,
0.3508

■ 18.7630, 0.2439,
0.3508

■ 18.4707, 0.2391,
0.3546

■ 19.1525, 0.2505,
0.3471

■ 18.2639, 0.2362,
0.3584

■ 19.6449, 0.2587,
0.3434

■ 18.1280, 0.2348,
0.3622

■ 20.2484, 0.2684,
0.3399

■ 18.0814, 0.2344,
0.3637

■ 20.9694, 0.2795,
0.3366

■ 21.8140, 0.2916,
0.3335

■ 22.7879, 0.3045,
0.3306

■ 23.8964, 0.3179,
0.3280

■ 25.1445, 0.3316,
0.3257

■ 26.5368, 0.3454,
0.3236

Harmonies

Analogous

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



18.7630, 0.2875, 0.4010



18.7630, 0.2439, 0.3508



18.7630, 0.2195, 0.2982

Triad

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



18.7630, 0.2439, 0.3508



18.7630, 0.2786, 0.2486



18.7630, 0.4166, 0.3868

Complementary

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



18.7630, 0.2439, 0.3508



7.1386, 0.4949, 0.3126

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.



18.7630, 0.4158, 0.3456



18.7630, 0.2439, 0.3508



18.7630, 0.3320, 0.2699

Square

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



18.7630, 0.2439, 0.3508



18.7630, 0.2382, 0.2447



18.7630, 0.3839, 0.3043



18.7630, 0.3879, 0.4181

Rectangle

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



18.7630, 0.2439, 0.3508



18.7630, 0.2157, 0.2711



18.7630, 0.3839, 0.3043



18.7630, 0.4200, 0.3736

Sweetspot

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



18.7637, 0.2439, 0.3508



38.3878, 0.2863, 0.3348



17.7845, 0.3111, 0.5293



8.5678, 0.2834, 0.3355



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.



18.7637, 0.2439, 0.3508



32.8871, 0.2375, 0.3564



11.2253, 0.2185, 0.2502



5.2700, 0.3006, 0.3315



17.2232, 0.2343, 0.3636



0.0603, 0.2292, 0.3450

Inverse Universe

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



7.1386, 0.4949, 0.3126



10.4644, 0.5575, 0.3139



10.7292, 0.4695, 0.3898



4.6967, 0.3263, 0.3266



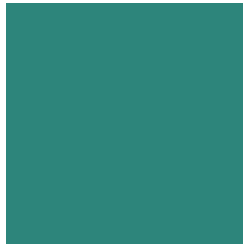
4.7836, 0.6216, 0.3198



0.0171, 0.5544, 0.2828

Previews

White Background



This preview shows how the Yxy color 18.7630, 0.2439, 0.3508 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 18.7630, 0.2439, 0.3508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

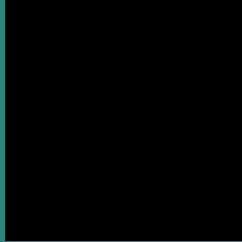
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7630, 0.2439, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 18.7630, 0.2439, 0.3508.

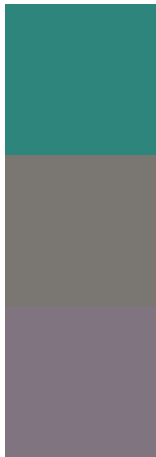


This preview shows how white text looks on a background with the Yxy color 18.7630, 0.2439, 0.3508.

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

18.7630, 0.2439, 0.3508

Protanopia

18.5690, 0.3212, 0.3367

Deuteranopia

18.5351, 0.3137, 0.3088



Tritanopia

18.6726, 0.2345, 0.3059

Trichromacy



Original Color

18.7630, 0.2439, 0.3508

Protanomaly

18.1030, 0.2846, 0.3413

Deuteranomaly

17.9668, 0.2795, 0.3208

Tritanomaly

18.6576, 0.2382, 0.3224

Monochromacy



Original Color

18.7630, 0.2439, 0.3508

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.5455, 0.2787, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7630, 0.2439, 0.3508 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(45, 133, 123)` looks like.

```
.text, #text, p{  
  color:rgb(45, 133, 123)  
}
```

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(45, 133, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 133, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.7630, 0.2439, 0.3508 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(45, 133, 123) }
```

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

```
.border{ border-color:rgb(45, 133, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 133, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 133, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 133, 123);  
box-shadow:4px 4px 4px 4px rgb(45, 133,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7630, 0.2439, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 133, 123) }
```

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

```
.background{ background-color: rgb(45, 133,  
123) }
```

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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