

Converting Colors

$Y_{xy}(19.0270, 0.2467, 0.3455)$

Have a look what the booklet for
Yxy(19.0270, 0.2467, 0.3455)
contains.

Yxy(19.0126, 0.2468, 0.3461)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.0126, 0.2468, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	35857D
RGB	53, 133, 125
RGB Percent	21%, 52%, 49%
CMY	0.7922, 0.4784, 0.5097
CMYK	0.60, 0.00, 0.06, 0.48
HSL	174°, 43%, 36%
HSV	174°, 60%, 52%
XYZ	13.5577, 19.0126, 22.3636
YIQ	108.1680, -45.1120, -19.4480

Conversions

Conversions Part 2

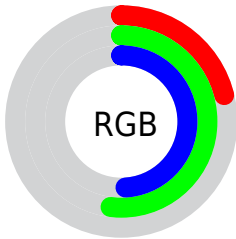
Format	Color
R_{YB}	53, 95, 133
Decimal	3507581
CIE _{Lab}	50.70, -26.26, -3.00
CIE _{LCh}	51, 26.432, 186.515
Yxy	19.0126, 0.2468, 0.3461
Android (android.graphics.Color)	4281697661 (0xFF35857D)
YUV	108.1680, 8.2982, -48.3823
Hunter-Lab	43.6034, -20.8048, 0.1134




Details

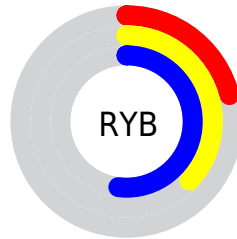
The Yxy color **19.0126, 0.2468, 0.3461** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.8682, 0.4722, 0.3152**, and the grayscale version is **15.0312, 0.3127, 0.3290**.




A 20% lighter version of the original color is **41.9431, 0.2612, 0.3425**, and **6.7083, 0.2314, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **18.6680, 0.2409, 0.3494**, and if you desaturate by 10%, it is **19.4592, 0.2545, 0.3429**.

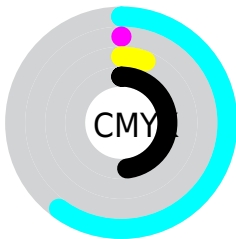
Distribution







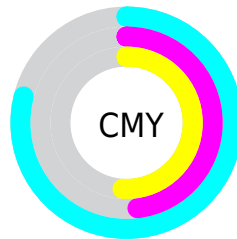
-  Red (21%)
-  Green (52%)
-  Blue (49%)






-  Red (21%)
-  Yellow (37%)
-  Blue (52%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (6%)
-  Black (48%)



-  Cyan (79%)
-  Magenta (48%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0126, 0.2468, 0.3461 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 19.0126, 0.2468, 0.3461 by changing the saturation by 10% instead.

■ 19.0126, 0.2468,
0.3461

■ 19.0126, 0.2468,
0.3461

■ 246.5183, 0.2842,
0.3368

■ 11.6794, 0.2356,
0.3487

■ 41.7554, 0.2616,
0.3425

■ 6.5258, 0.2200,
0.3521

■ 57.9338, 0.2668,
0.3412

■ 3.1673, 0.1967,
0.3568

■ 77.8293, 0.2710,
0.3402

■ 1.2197, 0.1465,
0.3685

■ 101.8264, 0.2746,
0.3393

■ 0.0777, 0.0000,
0.2089

■ 130.3094, 0.2775,
0.3385

■ 0.0000, 0.0000,
0.0000

■ 163.6628, 0.2801,

0.3379

202.2710, 0.2823,
0.3373

■ 19.0126, 0.2468,
0.3461

■ 19.0126, 0.2468,
0.3461

■ 18.6680, 0.2409,
0.3494

■ 19.4592, 0.2545,
0.3429

■ 18.4146, 0.2367,
0.3527

■ 20.0131, 0.2638,
0.3398

■ 18.2433, 0.2344,
0.3560

■ 20.6819, 0.2744,
0.3368

■ 18.1253, 0.2331,
0.3593

■ 21.4718, 0.2863,
0.3340

■ 22.3886, 0.2991,
0.3314

■ 23.4378, 0.3125,
0.3290

■ 24.6245, 0.3263,
0.3269

■ 25.9535, 0.3403,
0.3250

■ 27.4294, 0.3543,
0.3232

Harmonies

Analogous

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



19.0126, 0.2866, 0.3928



19.0126, 0.2468, 0.3461



19.0126, 0.2251, 0.2981

Triad

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



19.0126, 0.2468, 0.3461



19.0126, 0.2841, 0.2547



19.0126, 0.4082, 0.3855

Complementary

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



19.0126, 0.2468, 0.3461



7.8682, 0.4722, 0.3152

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.



19.0126, 0.4091, 0.3475



19.0126, 0.2468, 0.3461



19.0126, 0.3340, 0.2756

Square

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



19.0126, 0.2468, 0.3461



19.0126, 0.2452, 0.2501



19.0126, 0.3812, 0.3085



19.0126, 0.3804, 0.4130

Rectangle

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



19.0126, 0.2468, 0.3461



19.0126, 0.2224, 0.2735



19.0126, 0.3812, 0.3085



19.0126, 0.4118, 0.3735

Sweetspot

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



19.0133, 0.2468, 0.3461



38.7213, 0.2885, 0.3335



18.0243, 0.3108, 0.5114



8.6361, 0.2854, 0.3342



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.



19.0133, 0.2468, 0.3461



33.2539, 0.2392, 0.3505



11.7565, 0.2250, 0.2554



5.2711, 0.3004, 0.3312



17.2647, 0.2331, 0.3592



0.0604, 0.2286, 0.3429

Inverse Universe

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



7.8682, 0.4722, 0.3152



11.4262, 0.5305, 0.3150



11.7394, 0.4488, 0.3885



4.6957, 0.3265, 0.3269



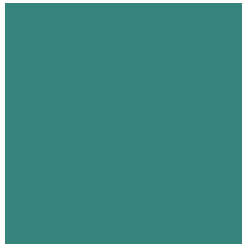
4.7788, 0.6242, 0.3212



0.0170, 0.5631, 0.2876

Previews

White Background



This preview shows how the Yxy color 19.0126, 0.2468, 0.3461 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 19.0126, 0.2468, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

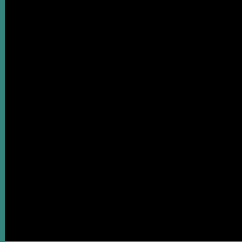
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0126, 0.2468, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 19.0126, 0.2468, 0.3461.



This preview shows how white text looks on a background with the Yxy color 19.0126, 0.2468, 0.3461.

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

19.0126, 0.2468, 0.3461

Protanopia

18.6890, 0.3201, 0.3328

Deuteranopia

18.8968, 0.3125, 0.3071



Tritanopia

19.1163, 0.2385, 0.3083

Trichromacy



Original Color

19.0126, 0.2468, 0.3461

Protanomaly

18.3680, 0.2869, 0.3371

Deuteranomaly

18.4911, 0.2820, 0.3190

Tritanomaly

19.1217, 0.2414, 0.3225

Monochromacy



Original Color

19.0126, 0.2468, 0.3461

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.0122, 0.2812, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0126, 0.2468, 0.3461 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(53, 133, 125)` looks like.

```
.text, #text, p{  
    color:rgb(53, 133, 125)  
}
```

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(53, 133, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 133, 125) }
```

Border

The CSS property to change the border of an element to Yxy 19.0126, 0.2468, 0.3461 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(53, 133, 125) }
```

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

```
.border{ border-color:rgb(53, 133, 125) }
```

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

Here you see how a box with a 4 pixel rgb(53, 133, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 133, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 133, 125);  
box-shadow:4px 4px 4px 4px rgb(53, 133,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0126, 0.2468, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 133, 125) }
```

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

```
.background{ background-color: rgb(53, 133,  
125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor