

Converting Colors

$Y_{xy}(18.4150, 0.2468, 0.3455)$

Have a look what the booklet for
Yxy(18.4150, 0.2468, 0.3455)
contains.

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Color

Yxy(18.3927, 0.2469, 0.3464)

Conversions

Conversions Part 1

Format	Color
Hex	34837B
RGB	52, 131, 123
RGB Percent	20%, 51%, 48%
CMY	0.7958, 0.4863, 0.5177
CMYK	0.60, 0.00, 0.06, 0.49
HSL	174°, 43%, 36%
HSV	174°, 60%, 51%
XYZ	13.1096, 18.3927, 21.5944
YIQ	106.4670, -44.5160, -19.2360

Conversions

Conversions Part 2

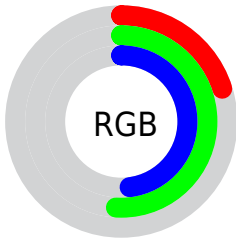
Format	Color
RYB	52, 94, 131
Decimal	3441531
CIELab	49.97, -26.01, -2.89
CIElCh	50, 26.172, 186.348
Yxy	18.3927, 0.2469, 0.3464
Android (android.graphics.Color)	4281631611 (0xFF34837B)
YUV	106.4670, 8.1508, -47.7676
Hunter-Lab	42.8867, -20.4880, 0.1668

Details

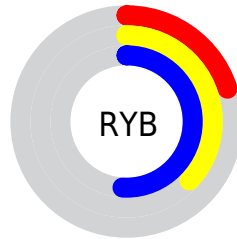
The Yxy color **18.3927, 0.2469, 0.3464** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.6143, 0.4719, 0.3149**, and the grayscale version is **14.5393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5019, 0.2618, 0.3427**, and **6.3793, 0.2315, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **18.0592, 0.2410, 0.3497**, and if you desaturate by 10%, it is **18.8246, 0.2546, 0.3431**.

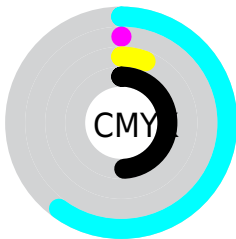
Distribution



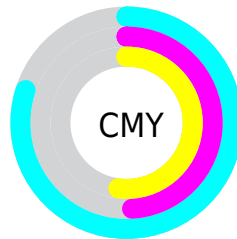
- Red (20%)
- Green (51%)
- Blue (48%)



- Red (20%)
- Yellow (37%)
- Blue (51%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (49%)



- Cyan (80%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3927, 0.2469, 0.3464 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 18.3927, 0.2469, 0.3464 by changing the saturation by 10% instead.

18.3927, 0.2469,
0.3464

18.3927, 0.2469,
0.3464

243.0753, 0.2844,
0.3368

11.2323, 0.2356,
0.3491

40.7053, 0.2618,
0.3427

6.2233, 0.2197,
0.3527

56.6264, 0.2670,
0.3414

2.9813, 0.1959,
0.3576

76.2364, 0.2713,
0.3403

1.1220, 0.1375,
0.3727

99.9198, 0.2748,
0.3394

0.0000, 0.0000,
0.0000

128.0610, 0.2778,
0.3386

161.0444, 0.2803,

0.3379

199.2544, 0.2825,
0.3374

■ 18.3927, 0.2469,
0.3464

■ 18.3927, 0.2469,
0.3464

■ 18.0592, 0.2410,
0.3497

■ 18.8246, 0.2546,
0.3431

■ 17.8137, 0.2369,
0.3531

■ 19.3601, 0.2638,
0.3400

■ 17.6475, 0.2345,
0.3565

■ 20.0063, 0.2745,
0.3369

■ 17.5328, 0.2333,
0.3598

■ 20.7694, 0.2863,
0.3341

■ 21.6550, 0.2990,
0.3315

■ 22.6682, 0.3124,
0.3291

■ 23.8140, 0.3262,
0.3269

■ 25.0971, 0.3401,
0.3249

■ 26.5219, 0.3540,
0.3232

Harmonies

Analogous

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



18.3927, 0.2869, 0.3931



18.3927, 0.2469, 0.3464



18.3927, 0.2250, 0.2983

Triad

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



18.3927, 0.2469, 0.3464



18.3927, 0.2838, 0.2546



18.3927, 0.4084, 0.3854

Complementary

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



18.3927, 0.2469, 0.3464



7.6143, 0.4719, 0.3149

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.



18.3927, 0.4091, 0.3473



18.3927, 0.2469, 0.3464



18.3927, 0.3337, 0.2754

Square

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



18.3927, 0.2469, 0.3464



18.3927, 0.2450, 0.2500



18.3927, 0.3810, 0.3083



18.3927, 0.3807, 0.4130

Rectangle

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



18.3927, 0.2469, 0.3464



18.3927, 0.2223, 0.2736



18.3927, 0.3810, 0.3083



18.3927, 0.4119, 0.3733

Sweetspot

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



18.3934, 0.2469, 0.3464



37.4702, 0.2885, 0.3336



17.4812, 0.3120, 0.5107



8.6356, 0.2854, 0.3343



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.



18.3934, 0.2469, 0.3464



32.1750, 0.2394, 0.3509



11.6277, 0.2257, 0.2587



5.2710, 0.3005, 0.3312



17.2596, 0.2333, 0.3597



0.0604, 0.2287, 0.3432

Inverse Universe

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



7.6143, 0.4719, 0.3149



11.0714, 0.5297, 0.3147



11.1573, 0.4505, 0.3860



4.6958, 0.3264, 0.3268



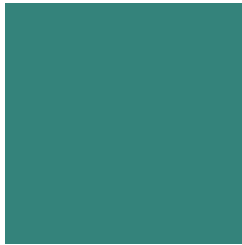
4.7793, 0.6239, 0.3210



0.0170, 0.5620, 0.2870

Previews

White Background



This preview shows how the Yxy color 18.3927, 0.2469, 0.3464 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 18.3927, 0.2469, 0.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

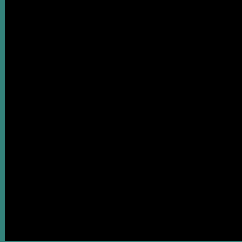
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3927, 0.2469, 0.3464

Background



This preview shows how black text looks on a background with the Yxy color 18.3927, 0.2469, 0.3464.

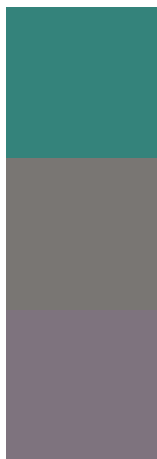


This preview shows how white text looks on a background with the Yxy color 18.3927, 0.2469, 0.3464.

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

18.3927, 0.2469, 0.3464

Protanopia

18.2596, 0.3201, 0.3348

Deuteranopia

18.2034, 0.3137, 0.3086



Tritanopia

18.4944, 0.2384, 0.3080

Trichromacy



Original Color

18.3927, 0.2469, 0.3464

Protanomaly

17.9607, 0.2867, 0.3392

Deuteranomaly

17.8081, 0.2826, 0.3208

Tritanomaly

18.4995, 0.2413, 0.3224

Monochromacy



Original Color

18.3927, 0.2469, 0.3464

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.4098, 0.2807, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3927, 0.2469, 0.3464 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(52, 131, 123)` looks like.

```
.text, #text, p{  
  color:rgb(52, 131, 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(52, 131, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 131, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.3927, 0.2469, 0.3464 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(52, 131, 123) }
```

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

```
.border{ border-color:rgb(52, 131, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 131, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 131, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 131, 123);  
box-shadow:4px 4px 4px 4px rgb(52, 131,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3927, 0.2469, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 131, 123) }
```

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

```
.background{ background-color: rgb(52, 131,  
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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