

Converting Colors

$Yxy(18.2930, 0.2408, 0.3487)$

Have a look what the booklet for
Yxy(18.2930, 0.2408, 0.3487)
contains.

Yxy(18.3837, 0.2410, 0.3488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.3837, 0.2410, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	28847B
RGB	40, 132, 123
RGB Percent	16%, 52%, 48%
CMY	0.8431, 0.4823, 0.5176
CMYK	0.70, 0.00, 0.07, 0.48
HSL	174°, 53%, 34%
HSV	174°, 70%, 52%
XYZ	12.7020, 18.3837, 21.6198
YIQ	103.4660, -51.9430, -22.3030

Conversions

Conversions Part 2

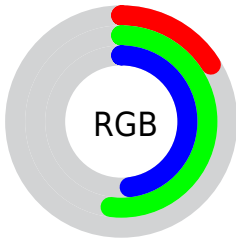
Format	Color
R_{YB}	40, 88, 132
Decimal	2655355
CIE _{Lab}	49.96, -28.67, -2.96
CIE _{LCh}	50, 28.823, 185.891
Yxy	18.3837, 0.2410, 0.3488
Android (android.graphics.Color)	4280845435 (0xFF28847B)
YUV	103.4660, 9.6303, -55.6597
Hunter-Lab	42.8762, -22.1529, 0.1171

Details

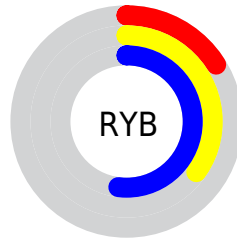
The Yxy color **18.3837, 0.2410, 0.3488** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.6459, 0.5134, 0.3151**, and the grayscale version is **13.6792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8656, 0.2577, 0.3459**, and **6.5290, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **18.1314, 0.2368, 0.3520**, and if you desaturate by 10%, it is **18.7282, 0.2470, 0.3456**.

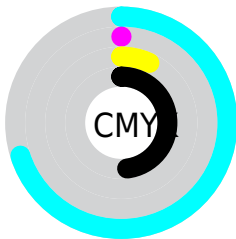
Distribution



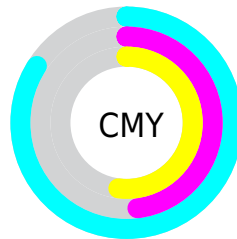
- Red (16%)
- Green (52%)
- Blue (48%)



- Red (16%)
- Yellow (35%)
- Blue (52%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (48%)



- Cyan (84%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3837, 0.2410, 0.3488 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 18.3837, 0.2410, 0.3488 by changing the saturation by 10% instead.

■ 18.3837, 0.2410,
0.3488

■ 18.3837, 0.2410,
0.3488

■ 243.0250, 0.2818,
0.3379

■ 11.2258, 0.2288,
0.3518

■ 40.6901, 0.2572,
0.3446

■ 6.2189, 0.2116,
0.3559

■ 56.6073, 0.2629,
0.3431

■ 2.9787, 0.1860,
0.3614

■ 76.2132, 0.2675,
0.3419

■ 1.1206, 0.1181,
0.3803

■ 99.8920, 0.2713,
0.3408

■ 0.0000, 0.0000,
0.0000

■ 128.0282, 0.2746,
0.3399

■ 161.0062, 0.2773,

0.3392

199.2103, 0.2797,
0.3385

■ 18.3837, 0.2410,
0.3488

■ 18.3837, 0.2410,
0.3488

■ 18.1314, 0.2368,
0.3520

■ 18.7282, 0.2470,
0.3456

■ 17.9595, 0.2343,
0.3553

■ 19.1712, 0.2548,
0.3424

■ 17.8406, 0.2330,
0.3585

■ 19.7206, 0.2642,
0.3394

■ 17.8370, 0.2330,
0.3586

■ 20.3832, 0.2749,
0.3365

■ 21.1650, 0.2869,
0.3338

■ 22.0718, 0.2997,
0.3312

■ 23.1088, 0.3131,
0.3289

■ 24.2811, 0.3270,
0.3268

■ 25.5934, 0.3410,
0.3250

Harmonies

Analogous

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



18.3837, 0.2847, 0.4008



18.3837, 0.2410, 0.3488



18.3837, 0.2171, 0.2954

Triad

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



18.3837, 0.2410, 0.3488



18.3837, 0.2800, 0.2477



18.3837, 0.4180, 0.3894

Complementary

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



18.3837, 0.2410, 0.3488



6.6459, 0.5134, 0.3151

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.



18.3837, 0.4187, 0.3477



18.3837, 0.2410, 0.3488



18.3837, 0.3348, 0.2701

Square

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



18.3837, 0.2410, 0.3488



18.3837, 0.2381, 0.2428



18.3837, 0.3873, 0.3054



18.3837, 0.3876, 0.4208

Rectangle

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



18.3837, 0.2410, 0.3488



18.3837, 0.2140, 0.2684



18.3837, 0.3873, 0.3054



18.3837, 0.4219, 0.3761

Sweetspot

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



18.3844, 0.2410, 0.3488



37.0204, 0.2847, 0.3342



17.3143, 0.3092, 0.5402



8.5418, 0.2818, 0.3349



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.



18.3844, 0.2410, 0.3488



31.7349, 0.2350, 0.3541



10.3389, 0.2136, 0.2414



5.2712, 0.3004, 0.3311



17.2708, 0.2329, 0.3586



0.0604, 0.2285, 0.3426

Inverse Universe

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



6.6459, 0.5134, 0.3151



9.6031, 0.5811, 0.3177



10.3399, 0.4782, 0.3943



4.6956, 0.3265, 0.3269



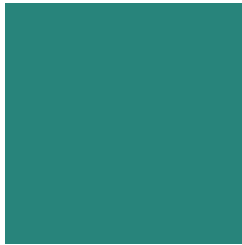
4.7781, 0.6245, 0.3214



0.0170, 0.5644, 0.2883

Previews

White Background



This preview shows how the Yxy color 18.3837, 0.2410, 0.3488 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 18.3837, 0.2410, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

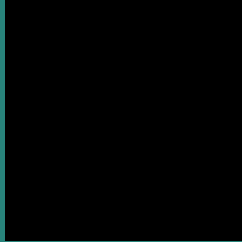
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3837, 0.2410, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 18.3837, 0.2410, 0.3488.



This preview shows how white text looks on a background with the Yxy color 18.3837, 0.2410, 0.3488.

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

18.3837, 0.2410, 0.3488

Protanopia

18.2596, 0.3201, 0.3348

Deuteranopia

18.2294, 0.3125, 0.3068



Tritanopia

18.2469, 0.2320, 0.3056

Trichromacy



Original Color

18.3837, 0.2410, 0.3488

Protanomaly

17.7492, 0.2823, 0.3394

Deuteranomaly

17.6140, 0.2772, 0.3187

Tritanomaly

18.2673, 0.2351, 0.3202

Monochromacy



Original Color

18.3837, 0.2410, 0.3488

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.8659, 0.2760, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3837, 0.2410, 0.3488 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(40, 132, 123)` looks like.

```
.text, #text, p{  
    color:rgb(40, 132, 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(40, 132, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 132, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.3837, 0.2410, 0.3488 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(40, 132, 123) }
```

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

```
.border{ border-color:rgb(40, 132, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 132, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 132, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 132, 123);  
box-shadow:4px 4px 4px 4px rgb(40, 132,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3837, 0.2410, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 132, 123) }
```

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

```
.background{ background-color: rgb(40, 132,  
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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