

Converting Colors

$Yxy(18.9614, 0.2448, 0.3825)$

Have a look what the booklet for
Yxy(18.9614, 0.2448, 0.3825)
contains.

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Color

$Y_{xy}(18.9848, 0.2452, 0.3838)$

Conversions

Conversions Part 1

Format	Color
Hex	198870
RGB	25, 136, 112
RGB Percent	10%, 53%, 44%
CMY	0.9020, 0.4667, 0.5608
CMYK	0.82, 0.00, 0.18, 0.47
HSL	167°, 69%, 32%
HSV	167°, 82%, 53%
XYZ	12.1289, 18.9848, 18.3516
YIQ	100.0750, -58.4520, -30.9960

Conversions

Conversions Part 2

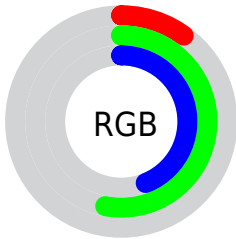
Format	Color
R_{YB}	25, 87, 136
Decimal	1673328
CIE _{Lab}	50.67, -35.64, 4.47
CIE _{LCh}	51, 35.920, 172.849
Yxy	18.9848, 0.2452, 0.3838
Android (android.graphics.Color)	4279863408 (0xFF198870)
YUV	100.0750, 5.8790, -65.8408
Hunter-Lab	43.5716, -26.5616, 5.5281

Details

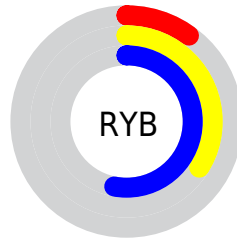
The Yxy color **18.9848, 0.2452, 0.3838** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.1510, 0.5337, 0.2969**, and the grayscale version is **12.7592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6809, 0.2604, 0.3701**, and **6.8672, 0.2456, 0.4040** is the 20% darker color. If you saturate the color by 10%, you get **18.7884, 0.2440, 0.3915**, and if you desaturate by 10%, it is **19.2690, 0.2482, 0.3761**.

Distribution



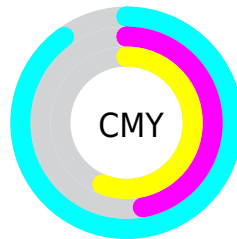
- Red (10%)
- Green (53%)
- Blue (44%)



- Red (10%)
- Yellow (34%)
- Blue (53%)



- Cyan (82%)
- Magenta (0%)
- Yellow (18%)
- Black (47%)





- Cyan (90%)
- Magenta (47%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9848, 0.2452, 0.3838 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 18.9848, 0.2452, 0.3838 by changing the saturation by 10% instead.


 18.9848, 0.2452,
0.3838


 18.9848, 0.2452,
0.3838


246.3648, 0.2841,
0.3517


 11.6593, 0.2333,
0.3940


 41.7084, 0.2608,
0.3707


 6.5121, 0.2164,
0.4087


 57.8753, 0.2662,
0.3663


 3.1589, 0.1907,
0.4319

 77.7581, 0.2706,
0.3627

 1.2153, 0.1035,
0.4978

 101.7413, 0.2742,
0.3597

 0.0741, 0.0000,
1.0000

 130.2091, 0.2773,
0.3572

 0.0000, 0.0000,
0.0000

 163.5461, 0.2799,

0.3551

202.1365, 0.2821,
0.3533

■ 18.9848, 0.2452,
0.3838

■ 18.9848, 0.2452,
0.3838

■ 18.7884, 0.2440,
0.3915

■ 19.2690, 0.2482,
0.3761

■ 18.6622, 0.2439,
0.3980

■ 19.6495, 0.2530,
0.3685

■ 20.1363, 0.2596,
0.3611

■ 20.7375, 0.2677,
0.3540

■ 21.4604, 0.2771,
0.3472

■ 22.3119, 0.2876,
0.3409

■ 23.2980, 0.2989,
0.3351

■ 24.4246, 0.3108,
0.3298

■ 25.6971, 0.3229,
0.3250

Harmonies

Analogous

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



18.9848, 0.3049, 0.4395



18.9848, 0.2452, 0.3838



18.9848, 0.2062, 0.3131

Triad

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



18.9848, 0.2452, 0.3838



18.9848, 0.2478, 0.2261



18.9848, 0.4473, 0.3783

Complementary

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



18.9848, 0.2452, 0.3838



6.1510, 0.5337, 0.2969

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.



18.9848, 0.4312, 0.3271



18.9848, 0.2452, 0.3838



18.9848, 0.3088, 0.2443

Square

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



18.9848, 0.2452, 0.3838



18.9848, 0.2082, 0.2296



18.9848, 0.3780, 0.2801



18.9848, 0.4231, 0.4250

Rectangle

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



18.9848, 0.2452, 0.3838



18.9848, 0.1950, 0.2737



18.9848, 0.3780, 0.2801



18.9848, 0.4467, 0.3612

Sweetspot

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



18.9855, 0.2452, 0.3838



38.8598, 0.2845, 0.3427



18.3335, 0.3153, 0.5641



8.8900, 0.2812, 0.3447



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.9855, 0.2452, 0.3838



32.9078, 0.2442, 0.3980



11.9957, 0.2099, 0.2556



5.6704, 0.3018, 0.3338



17.6636, 0.2438, 0.3978



0.1195, 0.2338, 0.3615

Inverse Universe

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



6.1510, 0.5337, 0.2969



9.4595, 0.5965, 0.3078



8.1761, 0.5392, 0.3747



5.0652, 0.3249, 0.3243



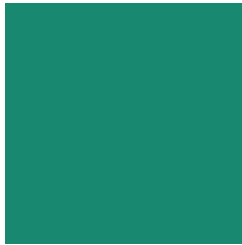
5.0412, 0.5969, 0.3062



0.0353, 0.4991, 0.2523

Previews

White Background



This preview shows how the Yxy color 18.9848, 0.2452, 0.3838 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 18.9848, 0.2452, 0.3838 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 18.9848, 0.2452, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 18.9848, 0.2452, 0.3838.

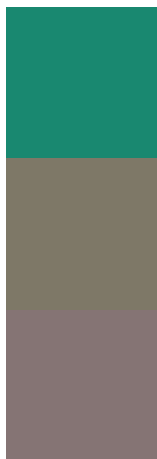


This preview shows how white text looks on a background with the Yxy color 18.9848, 0.2452, 0.3838.

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

18.9848, 0.2452, 0.3838

Protanopia

18.8478, 0.3407, 0.3614

Deuteranopia

18.7383, 0.3349, 0.3291



Tritanopia

19.0364, 0.2307, 0.3080

Trichromacy



Original Color

18.9848, 0.2452, 0.3838

Protanomaly

18.0862, 0.2915, 0.3718

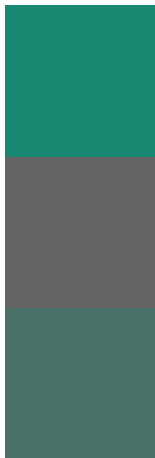
Deuteranomaly

17.7834, 0.2875, 0.3456

Tritanomaly

18.8258, 0.2350, 0.3331

Monochromacy



Original Color

18.9848, 0.2452, 0.3838

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.2262, 0.2744, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9848, 0.2452, 0.3838 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(25, 136, 112)` looks like.

```
.text, #text, p{  
    color:rgb(25, 136, 112)  
}
```

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(25, 136, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 136, 112) }
```

Border

The CSS property to change the border of an element to Yxy 18.9848, 0.2452, 0.3838 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(25, 136, 112) }
```

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

```
.border{ border-color:rgb(25, 136, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 136, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 136, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 136, 112);  
box-shadow:4px 4px 4px 4px rgb(25, 136,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9848, 0.2452, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 136, 112) }
```

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

```
.background{ background-color: rgb(25, 136,  
112) }
```

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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