

Converting Colors

$Yxy(19.2803, 0.2433, 0.3667)$

Have a look what the booklet for
Yxy(19.2803, 0.2433, 0.3667)
contains.

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Color

Yxy(19.2803, 0.2433, 0.3667)

Conversions

Conversions Part 1

Format	Color
Hex	228877
RGB	34, 136, 119
RGB Percent	13%, 53%, 47%
CMY	0.8670, 0.4666, 0.5333
CMYK	0.75, 0.00, 0.12, 0.47
HSL	170°, 60%, 33%
HSV	170°, 75%, 53%
XYZ	12.7922, 19.2803, 20.5054
YIQ	103.5640, -55.3350, -26.9110

Conversions

Conversions Part 2

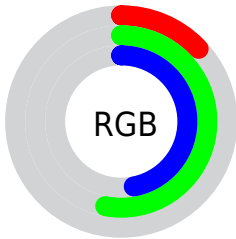
Format	Color
R_{YB}	34, 90, 136
Decimal	2263159
CIE _{Lab}	51.01, -32.62, 0.90
CIE _{LCh}	51, 32.629, 178.417
Yxy	19.2803, 0.2433, 0.3667
Android (android.graphics.Color)	4280453239 (0xFF228877)
YUV	103.5640, 7.6099, -61.0076
Hunter-Lab	43.9093, -24.8386, 3.0485

Details

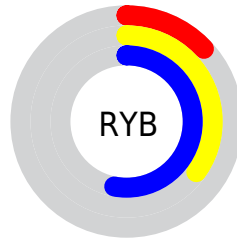
The Yxy color **19.2803, 0.2433, 0.3667** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.6120, 0.5209, 0.3043**, and the grayscale version is **13.7056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2540, 0.2594, 0.3583**, and **6.9519, 0.2382, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **19.0407, 0.2405, 0.3725**, and if you desaturate by 10%, it is **19.6141, 0.2479, 0.3610**.

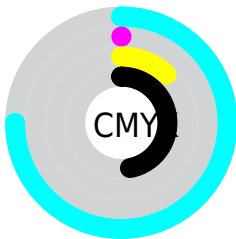
Distribution



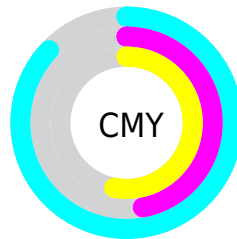
- Red (13%)
- Green (53%)
- Blue (47%)



- Red (13%)
- Yellow (35%)
- Blue (53%)



- Cyan (75%)
- Magenta (0%)
- Yellow (12%)
- Black (47%)




- Cyan (87%)
- Magenta (47%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2803, 0.2433, 0.3667 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 19.2803, 0.2433, 0.3667 by changing the saturation by 10% instead.


 19.2803, 0.2433,
0.3667


 19.2803, 0.2433,
0.3667


247.9918, 0.2828,
0.3451


 11.8730, 0.2314,
0.3732


 42.2072, 0.2590,
0.3581


 6.6573, 0.2148,
0.3825


 58.4956, 0.2645,
0.3551

 3.2487, 0.1898,
0.3965

 78.5131, 0.2690,
0.3526

 1.2629, 0.1241,
0.4322

 102.6442, 0.2727,
0.3506

 0.1122, 0.0000,
0.6548

 131.2732, 0.2758,
0.3489

 0.0000, 0.0000,
0.0000

 164.7846, 0.2785,

0.3475

203.5626, 0.2808,
0.3462

■ 19.2803, 0.2433,
0.3667

■ 19.2803, 0.2433,
0.3667

■ 19.0407, 0.2405,
0.3725

■ 19.6141, 0.2479,
0.3610

■ 18.8795, 0.2395,
0.3782

■ 20.0496, 0.2542,
0.3553

■ 18.8108, 0.2392,
0.3811

■ 20.5959, 0.2622,
0.3499

■ 21.2606, 0.2717,
0.3446

■ 22.0507, 0.2824,
0.3397

■ 22.9724, 0.2940,
0.3352

■ 24.0318, 0.3063,
0.3310

■ 25.2343, 0.3191,
0.3272

■ 26.5853, 0.3320,
0.3237

Harmonies

Analogous

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



19.2803, 0.2954, 0.4210



19.2803, 0.2433, 0.3667



19.2803, 0.2115, 0.3045

Triad

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



19.2803, 0.2433, 0.3667



19.2803, 0.2629, 0.2364



19.2803, 0.4333, 0.3837

Complementary

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



19.2803, 0.2433, 0.3667



6.6120, 0.5209, 0.3043

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.



19.2803, 0.4253, 0.3368



19.2803, 0.2433, 0.3667



19.2803, 0.3211, 0.2565

Square

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



19.2803, 0.2433, 0.3667



19.2803, 0.2222, 0.2360



19.2803, 0.3826, 0.2920



19.2803, 0.4062, 0.4234

Rectangle

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



19.2803, 0.2433, 0.3667



19.2803, 0.2040, 0.2712



19.2803, 0.3826, 0.2920



19.2803, 0.4349, 0.3683

Sweetspot

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



19.2810, 0.2433, 0.3667



39.0947, 0.2841, 0.3390



18.4270, 0.3131, 0.5518



8.9425, 0.2806, 0.3405



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.



19.2810, 0.2433, 0.3667



33.3449, 0.2397, 0.3764



11.6143, 0.2119, 0.2499



5.6746, 0.3012, 0.3327



17.8032, 0.2392, 0.3810



0.1200, 0.2315, 0.3533

Inverse Universe

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



6.6120, 0.5209, 0.3043



9.8253, 0.5858, 0.3102



9.4773, 0.5071, 0.3843



5.0613, 0.3256, 0.3254



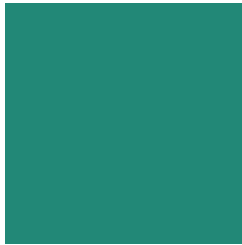
5.0122, 0.6103, 0.3136



0.0348, 0.5239, 0.2660

Previews

White Background



This preview shows how the Yxy color 19.2803, 0.2433, 0.3667 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 19.2803, 0.2433, 0.3667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

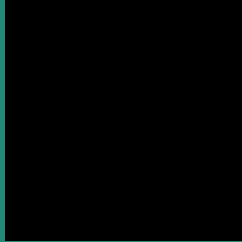
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2803, 0.2433, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 19.2803, 0.2433, 0.3667.

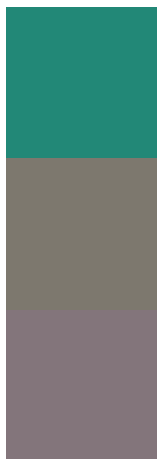


This preview shows how white text looks on a background with the Yxy color 19.2803, 0.2433, 0.3667.

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

19.2803, 0.2433, 0.3667

Protanopia

18.9187, 0.3309, 0.3480

Deuteranopia

18.9779, 0.3234, 0.3181



Tritanopia

19.3866, 0.2315, 0.3082

Trichromacy



Original Color

19.2803, 0.2433, 0.3667

Protanomaly

18.3893, 0.2877, 0.3561

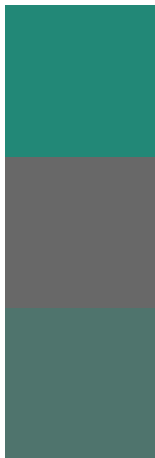
Deuteranomaly

18.3072, 0.2827, 0.3330

Tritanomaly

19.2850, 0.2357, 0.3288

Monochromacy



Original Color

19.2803, 0.2433, 0.3667

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.2572, 0.2764, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2803, 0.2433, 0.3667 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(34, 136, 119)` looks like.

```
.text, #text, p{  
  color:rgb(34, 136, 119)  
}
```

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(34, 136, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 136, 119) }
```

Border

The CSS property to change the border of an element to Yxy 19.2803, 0.2433, 0.3667 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(34, 136, 119) }
```

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

```
.border{ border-color:rgb(34, 136, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 136, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 136, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 136, 119);  
box-shadow:4px 4px 4px 4px rgb(34, 136,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2803, 0.2433, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 136, 119) }
```

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

```
.background{ background-color: rgb(34, 136,  
119) }
```

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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