

Converting Colors

$Yxy(18.7185, 0.2393, 0.3700)$

Have a look what the booklet for
 $Y_{xy}(18.7185, 0.2393, 0.3700)$
contains.

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Color

$\text{Yxy}(18.7409, 0.2393, 0.3698)$

Conversions

Conversions Part 1

Format	Color
Hex	128775
RGB	18, 135, 117
RGB Percent	7%, 53%, 46%
CMY	0.9286, 0.4706, 0.5411
CMYK	0.87, 0.00, 0.13, 0.47
HSL	171°, 76%, 30%
HSV	171°, 87%, 53%
XYZ	12.1274, 18.7409, 19.8102
YIQ	97.9650, -63.9540, -30.4020

Conversions

Conversions Part 2

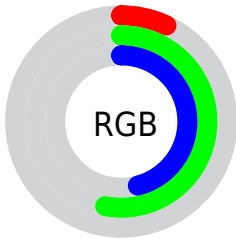
Format	Color
R_{YB}	18, 81, 135
Decimal	1214325
CIE _{Lab}	50.38, -34.42, 1.12
CIE _{LCh}	50, 34.434, 178.129
Yxy	18.7409, 0.2393, 0.3698
Android (android.graphics.Color)	4279404405 (0xFF128775)
YUV	97.9650, 9.3843, -70.1293
Hunter-Lab	43.2908, -25.7543, 3.1719

Details

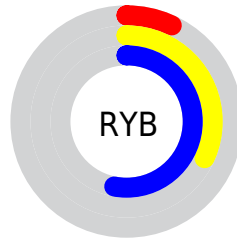
The Yxy color **18.7409, 0.2393, 0.3698** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.7181, 0.5698, 0.3094**, and the grayscale version is **12.2082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3345, 0.2562, 0.3604**, and **6.7703, 0.2394, 0.3819** is the 20% darker color. If you saturate the color by 10%, you get **18.5930, 0.2383, 0.3751**, and if you desaturate by 10%, it is **18.9628, 0.2419, 0.3645**.

Distribution



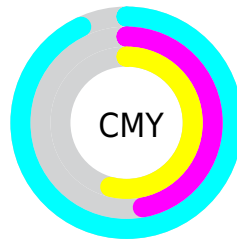
- Red (7%)
- Green (53%)
- Blue (46%)



- Red (7%)
- Yellow (32%)
- Blue (53%)



- Cyan (87%)
- Magenta (0%)
- Yellow (13%)
- Black (47%)




- Cyan (93%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7409, 0.2393, 0.3698 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 18.7409, 0.2393, 0.3698 by changing the saturation by 10% instead.


 18.7409, 0.2393,
0.3698


 18.7409, 0.2393,
0.3698


 245.0146, 0.2813,
0.3463


 11.4832, 0.2266,
0.3770


 41.2958, 0.2561,
0.3604


 6.3928, 0.2088,
0.3872


 57.3618, 0.2619,
0.3571

 3.0854, 0.1820,
0.4027

 77.1328, 0.2666,
0.3545

 1.1765, 0.0964,
0.4495

 100.9930, 0.2705,
0.3523

 0.0424, 0.0000,
1.0000

 129.3269, 0.2739,
0.3504

 0.0000, 0.0000,
0.0000

 162.5188, 0.2767,

0.3489

200.9533, 0.2791,
0.3475

■ 18.7409, 0.2393,
0.3698

■ 18.7409, 0.2393,
0.3698

■ 18.5930, 0.2383,
0.3751

■ 18.9628, 0.2419,
0.3645

■ 18.5461, 0.2380,
0.3769

■ 19.2735, 0.2463,
0.3592

■ 19.6834, 0.2525,
0.3540

■ 20.2009, 0.2604,
0.3490

■ 20.8335, 0.2697,
0.3441

■ 21.5882, 0.2804,
0.3396

■ 22.4711, 0.2920,
0.3353

■ 23.4883, 0.3044,
0.3314

■ 24.6452, 0.3172,
0.3278

Harmonies

Analogous

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



18.7409, 0.2945, 0.4281



18.7409, 0.2393, 0.3698



18.7409, 0.2057, 0.3030

Triad

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



18.7409, 0.2393, 0.3698



18.7409, 0.2592, 0.2311



18.7409, 0.4410, 0.3857

Complementary

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



18.7409, 0.2393, 0.3698



5.7181, 0.5698, 0.3094

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.



18.7409, 0.4325, 0.3362



18.7409, 0.2393, 0.3698



18.7409, 0.3208, 0.2521

Square

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



18.7409, 0.2393, 0.3698



18.7409, 0.2167, 0.2307



18.7409, 0.3865, 0.2892



18.7409, 0.4120, 0.4284

Rectangle

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



18.7409, 0.2393, 0.3698



18.7409, 0.1979, 0.2677



18.7409, 0.3865, 0.2892



18.7409, 0.4427, 0.3694

Sweetspot

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



18.7416, 0.2393, 0.3698



38.6540, 0.2803, 0.3396



17.7766, 0.3100, 0.5763



8.8528, 0.2770, 0.3409



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.



18.7416, 0.2393, 0.3698



33.1963, 0.2384, 0.3781



10.2570, 0.2026, 0.2358



5.2669, 0.3011, 0.3324



17.1049, 0.2380, 0.3768



0.0601, 0.2309, 0.3513

Inverse Universe

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



5.7181, 0.5698, 0.3094



9.3039, 0.6179, 0.3177



8.1342, 0.5446, 0.3828



4.6995, 0.3257, 0.3257



4.8004, 0.6130, 0.3150



0.0173, 0.5306, 0.2697

Previews

White Background



This preview shows how the Yxy color 18.7409, 0.2393, 0.3698 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 18.7409, 0.2393, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

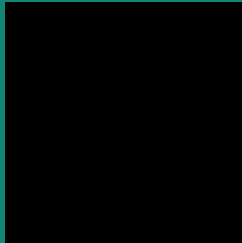
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7409, 0.2393, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 18.7409, 0.2393, 0.3698.

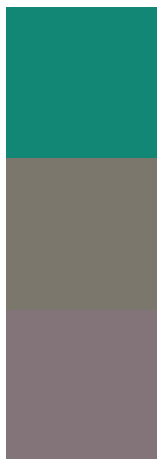


This preview shows how white text looks on a background with the Yxy color 18.7409, 0.2393, 0.3698.

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

18.7409, 0.2393, 0.3698

Protanopia

18.5614, 0.3323, 0.3501

Deuteranopia

18.6171, 0.3248, 0.3198



Tritanopia

18.6367, 0.2276, 0.3057

Trichromacy



Original Color

18.7409, 0.2393, 0.3698

Protanomaly

17.7934, 0.2833, 0.3590

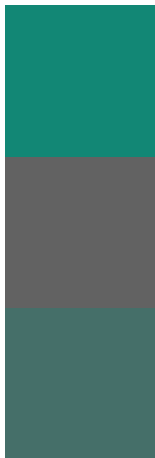
Deuteranomaly

17.6458, 0.2772, 0.3352

Tritanomaly

18.5031, 0.2309, 0.3266

Monochromacy



Original Color

18.7409, 0.2393, 0.3698

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.6540, 0.2687, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7409, 0.2393, 0.3698 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(18, 135, 117)` looks like.

```
.text, #text, p{  
  color:rgb(18, 135, 117)  
}
```

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(18, 135, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 135, 117) }
```

Border

The CSS property to change the border of an element to Yxy 18.7409, 0.2393, 0.3698 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(18, 135, 117) }
```

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

```
.border{ border-color:rgb(18, 135, 117) }
```

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

Here you see how a box with a 4 pixel rgb(18, 135, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 135, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 135, 117);  
box-shadow:4px 4px 4px 4px rgb(18, 135,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7409, 0.2393, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 135, 117) }
```

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

```
.background{ background-color: rgb(18, 135,  
117) }
```

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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