

Converting Colors

$Yxy(18.7356, 0.2423, 0.3714)$

Have a look what the booklet for
Yxy(18.7356, 0.2423, 0.3714)
contains.

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Color

Yxy(18.8219, 0.2425, 0.3720)

Conversions

Conversions Part 1

Format	Color
Hex	1B8774
RGB	27, 135, 116
RGB Percent	11%, 53%, 45%
CMY	0.8937, 0.4706, 0.5451
CMYK	0.80, 0.00, 0.14, 0.47
HSL	169°, 67%, 32%
HSV	169°, 80%, 53%
XYZ	12.2697, 18.8219, 19.5050
YIQ	100.5420, -58.2690, -28.8050

Conversions

Conversions Part 2

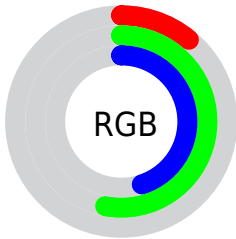
Format	Color
R_{YB}	27, 86, 135
Decimal	1804148
CIE _{Lab}	50.48, -33.85, 1.87
CIE _{LCh}	50, 33.898, 176.831
Yxy	18.8219, 0.2425, 0.3720
Android (android.graphics.Color)	4279994228 (0xFF1B8774)
YUV	100.5420, 7.6208, -64.4963
Hunter-Lab	43.3842, -25.4401, 3.7130

Details

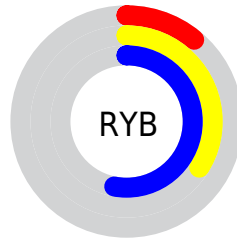
The Yxy color **18.8219, 0.2425, 0.3720** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.1377, 0.5380, 0.3034**, and the grayscale version is **12.8890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4465, 0.2583, 0.3619**, and **6.7580, 0.2405, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **18.6238, 0.2407, 0.3781**, and if you desaturate by 10%, it is **19.1076, 0.2461, 0.3659**.

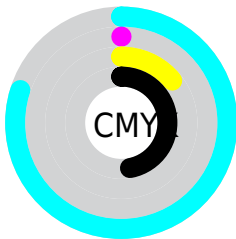
Distribution



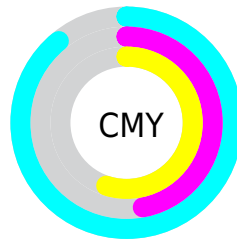
- Red (11%)
- Green (53%)
- Blue (45%)



- Red (11%)
- Yellow (34%)
- Blue (53%)



- Cyan (80%)
- Magenta (0%)
- Yellow (14%)
- Black (47%)





- Cyan (89%)
- Magenta (47%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8219, 0.2425, 0.3720 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 18.8219, 0.2425, 0.3720 by changing the saturation by 10% instead.


 18.8219, 0.2425,
0.3720


 18.8219, 0.2425,
0.3720

 245.4638, 0.2827,
0.3471


 11.5417, 0.2303,
0.3797


 41.4329, 0.2586,
0.3620

 6.4324, 0.2131,
0.3907


 57.5325, 0.2642,
0.3585


 3.1098, 0.1872,
0.4075

 77.3407, 0.2687,
0.3557

 1.1893, 0.1060,
0.4561

 101.2418, 0.2725,
0.3534

 0.0529, 0.0000,
1.0000

 129.6203, 0.2756,
0.3515

 0.0000, 0.0000,
0.0000

 162.8605, 0.2783,

0.3498

201.3469, 0.2807,
0.3484

■ 18.8219, 0.2425,
0.3720

■ 18.8219, 0.2425,
0.3720

■ 18.6238, 0.2407,
0.3781

■ 19.1076, 0.2461,
0.3659

■ 18.4810, 0.2401,
0.3843

■ 19.4889, 0.2516,
0.3598

■ 18.4799, 0.2401,
0.3843

■ 19.9755, 0.2587,
0.3539

■ 20.5751, 0.2674,
0.3482

■ 21.2947, 0.2774,
0.3429

■ 22.1410, 0.2885,
0.3378

■ 23.1198, 0.3004,
0.3332

■ 24.2369, 0.3128,
0.3290

■ 25.4975, 0.3256,
0.3251

Harmonies

Analogous

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



18.8219, 0.2975, 0.4280



18.8219, 0.2425, 0.3720



18.8219, 0.2083, 0.3062

Triad

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



18.8219, 0.2425, 0.3720



18.8219, 0.2578, 0.2321



18.8219, 0.4394, 0.3830

Complementary

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



18.8219, 0.2425, 0.3720



6.1377, 0.5380, 0.3034

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.



18.8219, 0.4292, 0.3341



18.8219, 0.2425, 0.3720



18.8219, 0.3179, 0.2519

Square

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



18.8219, 0.2425, 0.3720



18.8219, 0.2168, 0.2327



18.8219, 0.3827, 0.2880



18.8219, 0.4124, 0.4255

Rectangle

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



18.8219, 0.2425, 0.3720



18.8219, 0.1997, 0.2707



18.8219, 0.3827, 0.2880



18.8219, 0.4404, 0.3669

Sweetspot

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



18.8226, 0.2425, 0.3720



38.9227, 0.2833, 0.3401



18.0088, 0.3131, 0.5623



8.9063, 0.2798, 0.3417



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.



18.8226, 0.2425, 0.3720



33.1576, 0.2404, 0.3832



11.2586, 0.2089, 0.2484



5.2652, 0.3014, 0.3328



17.0429, 0.2400, 0.3841



0.0600, 0.2319, 0.3548

Inverse Universe

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



6.1377, 0.5380, 0.3034



9.5094, 0.6017, 0.3127



8.5970, 0.5266, 0.3813



4.7011, 0.3254, 0.3252



4.8113, 0.6075, 0.3120



0.0174, 0.5187, 0.2631

Previews

White Background



This preview shows how the Yxy color 18.8219, 0.2425, 0.3720 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 18.8219, 0.2425, 0.3720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

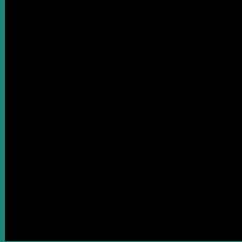
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8219, 0.2425, 0.3720

Background



This preview shows how black text looks on a background with the Yxy color 18.8219, 0.2425, 0.3720.

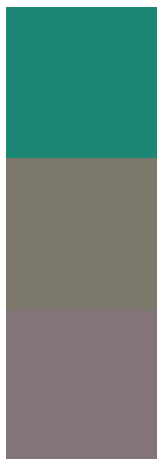


This preview shows how white text looks on a background with the Yxy color 18.8219, 0.2425, 0.3720.

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

18.8219, 0.2425, 0.3720

Protanopia

18.5403, 0.3335, 0.3520

Deuteranopia

18.6721, 0.3273, 0.3217



Tritanopia

18.7435, 0.2297, 0.3058

Trichromacy



Original Color

18.8219, 0.2425, 0.3720

Protanomaly

17.9169, 0.2874, 0.3609

Deuteranomaly

17.8250, 0.2824, 0.3372

Tritanomaly

18.6081, 0.2332, 0.3266

Monochromacy



Original Color

18.8219, 0.2425, 0.3720

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.3067, 0.2734, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8219, 0.2425, 0.3720 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(27, 135, 116)` looks like.

```
.text, #text, p{  
    color:rgb(27, 135, 116)  
}
```

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(27, 135, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 135, 116) }
```

Border

The CSS property to change the border of an element to Yxy 18.8219, 0.2425, 0.3720 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(27, 135, 116) }
```

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

```
.border{ border-color:rgb(27, 135, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 135, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 135, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 135, 116);  
box-shadow:4px 4px 4px 4px rgb(27, 135,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8219, 0.2425, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 135, 116) }
```

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

```
.background{ background-color: rgb(27, 135,  
116) }
```

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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