

Converting Colors

$Yxy(18.6652, 0.2355, 0.3560)$

Have a look what the booklet for
Yxy(18.6652, 0.2355, 0.3560)
contains.

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Color

Yxy(18.5938, 0.2355, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	13867A
RGB	19, 134, 122
RGB Percent	7%, 53%, 48%
CMY	0.9255, 0.4745, 0.5215
CMYK	0.86, 0.00, 0.09, 0.47
HSL	174°, 75%, 30%
HSV	174°, 86%, 53%
XYZ	12.3070, 18.5938, 21.3583
YIQ	98.2470, -64.6880, -28.1120

Conversions

Conversions Part 2

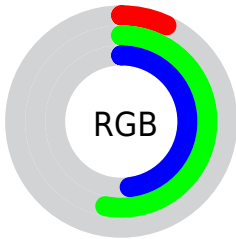
Format	Color
RYB	19, 80, 134
Decimal	1279610
CIELab	50.21, -32.43, -2.05
CIElCh	50, 32.493, 183.625
Yxy	18.5938, 0.2355, 0.3558
Android (android.graphics.Color)	4279469690 (0xFF13867A)
YUV	98.2470, 11.7102, -69.4996
Hunter-Lab	43.1205, -24.5153, 0.8171

Details

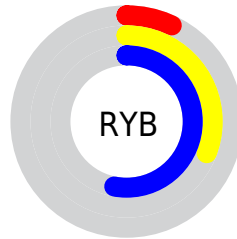
The Yxy color **18.5938, 0.2355, 0.3558** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.6325, 0.5799, 0.3168**, and the grayscale version is **12.2606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0971, 0.2531, 0.3508**, and **6.6809, 0.2334, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **18.4579, 0.2340, 0.3593**, and if you desaturate by 10%, it is **18.8044, 0.2386, 0.3523**.

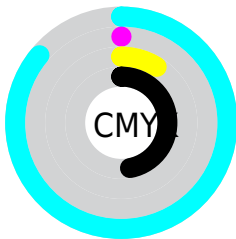
Distribution



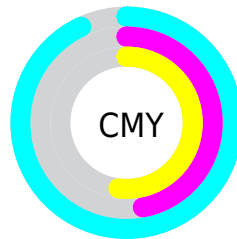
- Red (7%)
- Green (53%)
- Blue (48%)



- Red (7%)
- Yellow (31%)
- Blue (53%)



- Cyan (86%)
- Magenta (0%)
- Yellow (9%)
- Black (47%)




- Cyan (93%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5938, 0.2355, 0.3558 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 18.5938, 0.2355, 0.3558 by changing the saturation by 10% instead.


 18.5938, 0.2355,
0.3558


 18.5938, 0.2355,
0.3558


244.1970, 0.2794,
0.3409

 11.3771, 0.2224,
0.3601


 41.0466, 0.2529,
0.3500

 6.3211, 0.2041,
0.3659


 57.0515, 0.2590,
0.3479


 3.0413, 0.1768,
0.3742

 76.7546, 0.2640,
0.3462

 1.1533, 0.0984,
0.4017

 100.5403, 0.2681,
0.3448

 0.0231, 0.0000,
0.1203

 128.7930, 0.2716,
0.3436

 0.0000, 0.0000,
0.0000

 161.8971, 0.2746,

0.3426

200.2370, 0.2771,
0.3417

■ 18.5938, 0.2355,
0.3558

■ 18.5938, 0.2355,
0.3558

■ 18.4579, 0.2340,
0.3593

■ 18.8044, 0.2386,
0.3523

■ 18.4077, 0.2335,
0.3607

■ 19.1023, 0.2435,
0.3489

■ 19.4978, 0.2501,
0.3454

■ 19.9990, 0.2585,
0.3421

■ 20.6133, 0.2684,
0.3389

■ 21.3474, 0.2796,
0.3359

■ 22.2074, 0.2918,
0.3330

■ 23.1991, 0.3048,
0.3304

■ 24.3278, 0.3184,
0.3280

Harmonies

Analogous

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



18.5938, 0.2851, 0.4142



18.5938, 0.2355, 0.3558



18.5938, 0.2077, 0.2946

Triad

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



18.5938, 0.2355, 0.3558



18.5938, 0.2717, 0.2379



18.5938, 0.4318, 0.3918

Complementary

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



18.5938, 0.2355, 0.3558



5.6325, 0.5799, 0.3168

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.



18.5938, 0.4304, 0.3451



18.5938, 0.2355, 0.3558



18.5938, 0.3323, 0.2612

Square

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



18.5938, 0.2355, 0.3558



18.5938, 0.2271, 0.2338



18.5938, 0.3926, 0.2991



18.5938, 0.3992, 0.4293

Rectangle

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



18.5938, 0.2355, 0.3558



18.5938, 0.2032, 0.2637



18.5938, 0.3926, 0.2991



18.5938, 0.4355, 0.3767

Sweetspot

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



18.5945, 0.2355, 0.3558



37.5079, 0.2787, 0.3361



17.4112, 0.3068, 0.5775



8.3616, 0.2754, 0.3370



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.



18.5945, 0.2355, 0.3558



32.4186, 0.2337, 0.3614



9.1570, 0.1992, 0.2219



5.2707, 0.3005, 0.3313



17.2512, 0.2335, 0.3606



0.0604, 0.2288, 0.3436

Inverse Universe

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



5.6325, 0.5799, 0.3168



8.9738, 0.6272, 0.3229



8.6787, 0.5312, 0.3930



4.6960, 0.3264, 0.3268



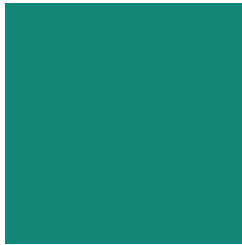
4.7803, 0.6234, 0.3208



0.0170, 0.5603, 0.2860

Previews

White Background



This preview shows how the Yxy color 18.5938, 0.2355, 0.3558 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 18.5938, 0.2355, 0.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

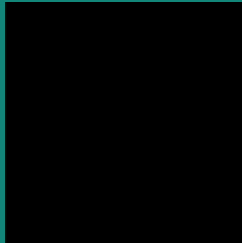
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5938, 0.2355, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 18.5938, 0.2355, 0.3558.

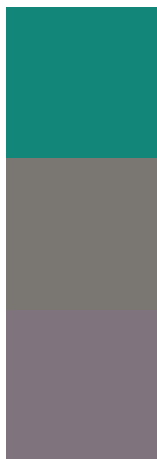


This preview shows how white text looks on a background with the Yxy color 18.5938, 0.2355, 0.3558.

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

18.5938, 0.2355, 0.3558

Protanopia

18.2867, 0.3238, 0.3386

Deuteranopia

18.2799, 0.3149, 0.3087



Tritanopia

18.5789, 0.2264, 0.3056

Trichromacy



Original Color

18.5938, 0.2355, 0.3558

Protanomaly

17.6076, 0.2772, 0.3460

Deuteranomaly

17.4744, 0.2711, 0.3226

Tritanomaly

18.5278, 0.2289, 0.3223

Monochromacy



Original Color

18.5938, 0.2355, 0.3558

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.6956, 0.2667, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5938, 0.2355, 0.3558 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(19, 134, 122)` looks like.

```
.text, #text, p{  
    color:rgb(19, 134, 122)  
}
```

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(19, 134, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 134, 122) }
```

Border

The CSS property to change the border of an element to Yxy 18.5938, 0.2355, 0.3558 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(19, 134, 122) }
```

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

```
.border{ border-color:rgb(19, 134, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 134, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(19, 134, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(19, 134, 122); box-shadow:4px 4px 4px 4px rgb(19, 134, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5938, 0.2355, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 134, 122) }
```

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

```
.background{ background-color: rgb(19, 134,  
122) }
```

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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