

Converting Colors

$Yxy(18.2565, 0.2341, 0.3551)$

Have a look what the booklet for
Yxy(18.2565, 0.2341, 0.3551)
contains.

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Color

Yxy(18.2411, 0.2344, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	0D8579
RGB	13, 133, 121
RGB Percent	5%, 52%, 47%
CMY	0.9481, 0.4784, 0.5255
CMYK	0.90, 0.00, 0.09, 0.48
HSL	174°, 82%, 29%
HSV	174°, 90%, 52%
XYZ	12.0071, 18.2411, 20.9765
YIQ	95.7520, -67.6680, -29.1720

Conversions

Conversions Part 2

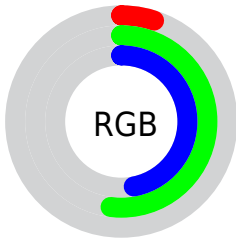
Format	Color
RYB	13, 76, 133
Decimal	886137
CIELab	49.79, -32.68, -2.08
CIELCh	50, 32.750, 183.649
Yxy	18.2411, 0.2344, 0.3561
Android (android.graphics.Color)	4279076217 (0xFF0D8579)
YUV	95.7520, 12.4473, -72.5735
Hunter-Lab	42.7096, -24.5596, 0.7769

Details

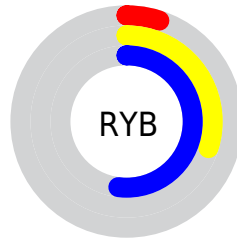
The Yxy color **18.2411, 0.2344, 0.3561** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.3514, 0.5955, 0.3188**, and the grayscale version is **11.6330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5362, 0.2524, 0.3509**, and **6.6676, 0.2344, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **18.1221, 0.2332, 0.3594**, and if you desaturate by 10%, it is **18.4141, 0.2368, 0.3528**.

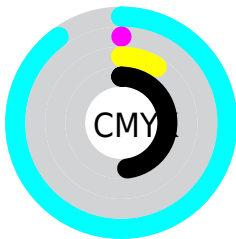
Distribution



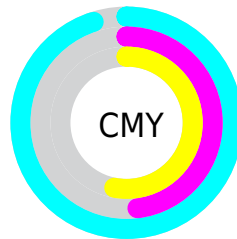
- Red (5%)
- Green (52%)
- Blue (47%)



- Red (5%)
- Yellow (30%)
- Blue (52%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (48%)





- Cyan (95%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2411, 0.2344, 0.3561 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 18.2411, 0.2344, 0.3561 by changing the saturation by 10% instead.


 18.2411, 0.2344,
0.3561


 18.2411, 0.2344,
0.3561


242.2265, 0.2790,
0.3410


 11.1232, 0.2210,
0.3604


 40.4477, 0.2522,
0.3502


 6.1498, 0.2023,
0.3664

 56.3053, 0.2583,
0.3481

 2.9364, 0.1744,
0.3748

 75.8448, 0.2634,
0.3464

 1.0986, 0.0858,
0.4064

 99.4508, 0.2676,
0.3449

 0.0000, 0.0000,
0.0000

 127.5075, 0.2711,
0.3437

 160.3995, 0.2741,

0.3427

198.5110, 0.2768,
0.3418

■ 18.2411, 0.2344,
0.3561

■ 18.2411, 0.2344,
0.3561

■ 18.1221, 0.2332,
0.3594

■ 18.4141, 0.2368,
0.3528

■ 18.6685, 0.2410,
0.3494

■ 19.0151, 0.2469,
0.3461

■ 19.4622, 0.2546,
0.3429

■ 20.0175, 0.2639,
0.3398

■ 20.6877, 0.2746,
0.3368

■ 21.4791, 0.2865,
0.3340

■ 22.3975, 0.2992,
0.3314

■ 23.4482, 0.3127,
0.3290

Harmonies

Analogous

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



18.2411, 0.2846, 0.4156



18.2411, 0.2344, 0.3561



18.2411, 0.2063, 0.2940

Triad

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



18.2411, 0.2344, 0.3561



18.2411, 0.2711, 0.2368



18.2411, 0.4334, 0.3925

Complementary

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



18.2411, 0.2344, 0.3561



5.3514, 0.5955, 0.3188

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.



18.2411, 0.4321, 0.3452



18.2411, 0.2344, 0.3561



18.2411, 0.3325, 0.2604

Square

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



18.2411, 0.2344, 0.3561



18.2411, 0.2260, 0.2326



18.2411, 0.3938, 0.2987



18.2411, 0.4003, 0.4306

Rectangle

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



18.2411, 0.2344, 0.3561



18.2411, 0.2018, 0.2627



18.2411, 0.3938, 0.2987



18.2411, 0.4372, 0.3771

Sweetspot

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



18.2418, 0.2344, 0.3561



37.3745, 0.2774, 0.3361



17.0395, 0.3058, 0.5842



8.3352, 0.2741, 0.3369



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.



18.2418, 0.2344, 0.3561



32.4421, 0.2334, 0.3601



8.6114, 0.1961, 0.2160



5.2711, 0.3004, 0.3312



17.2634, 0.2332, 0.3593



0.0604, 0.2286, 0.3430

Inverse Universe

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



5.3514, 0.5955, 0.3188



8.9715, 0.6278, 0.3232



8.1587, 0.5430, 0.3914



4.6957, 0.3265, 0.3269



4.7789, 0.6241, 0.3212



0.0170, 0.5628, 0.2874

Previews

White Background



This preview shows how the Yxy color 18.2411, 0.2344, 0.3561 looks on a white 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

Black Background



This preview shows how the Yxy color 18.2411, 0.2344, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

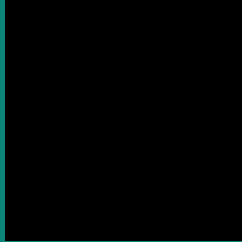
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2411, 0.2344, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 18.2411, 0.2344, 0.3561.

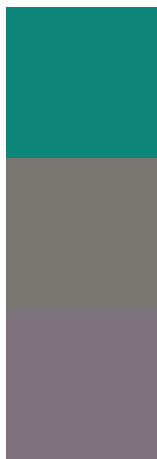


This preview shows how white text looks on a background with the Yxy color 18.2411, 0.2344, 0.3561.

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

18.2411, 0.2344, 0.3561

Protanopia

17.9574, 0.3239, 0.3387

Deuteranopia

17.9509, 0.3150, 0.3086



Tritanopia

18.2457, 0.2257, 0.3054

Trichromacy



Original Color

18.2411, 0.2344, 0.3561

Protanomaly

17.1976, 0.2749, 0.3462

Deuteranomaly

17.0613, 0.2689, 0.3225

Tritanomaly

18.1868, 0.2280, 0.3222

Monochromacy



Original Color

18.2411, 0.2344, 0.3561

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.1155, 0.2650, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2411, 0.2344, 0.3561 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(13, 133, 121)` looks like.

```
.text, #text, p{  
  color:rgb(13, 133, 121)  
}
```

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(13, 133, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 133, 121) }
```

Border

The CSS property to change the border of an element to Yxy 18.2411, 0.2344, 0.3561 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(13, 133, 121) }
```

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

```
.border{ border-color:rgb(13, 133, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 133, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 133, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 133, 121);  
box-shadow:4px 4px 4px 4px rgb(13, 133,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2411, 0.2344, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 133, 121) }
```

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

```
.background{ background-color: rgb(13, 133,  
121) }
```

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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