

Converting Colors

$Y_{xy}(18.3470, 0.2247, 0.3287)$

Have a look what the booklet for
 $\text{Yxy}(18.3470, 0.2247, 0.3287)$
contains.

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Color

$Y_{xy}(18.4685, 0.2247, 0.3287)$

Conversions

Conversions Part 1

Format	Color
Hex	008585
RGB	0, 133, 133
RGB Percent	0%, 52%, 52%
CMY	0.9985, 0.4785, 0.4784
CMYK	1.00, 0.00, 0.00, 0.48
HSL	180°, 99%, 26%
HSV	180°, 100%, 52%
XYZ	12.6251, 18.4685, 25.0929
YIQ	93.2330, -79.2680, -28.1960

Conversions

Conversions Part 2

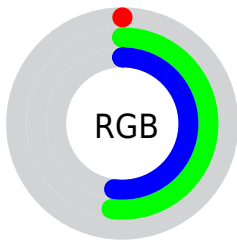
Format	Color
RYB	0, 67, 133
Decimal	34181
CIELab	50.06, -29.62, -8.72
CIELCh	50, 30.882, 196.409
Yxy	18.4685, 0.2247, 0.3287
Android (android.graphics.Color)	4278224261 (0xFF008585)
YUV	93.2330, 19.6051, -81.7653
Hunter-Lab	42.9750, -22.7669, -4.5366

Details

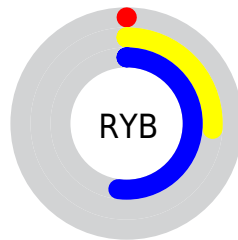
The Yxy color **18.4685, 0.2247, 0.3287** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.9970, 0.6393, 0.3300**, and the grayscale version is **10.9986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9706, 0.2442, 0.3303**, and **6.8266, 0.2237, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **18.4667, 0.2246, 0.3287**, and if you desaturate by 10%, it is **18.5581, 0.2267, 0.3287**.

Distribution



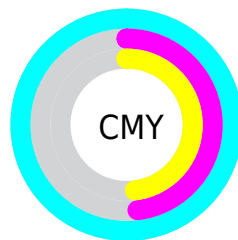
- Red (0%)
- Green (52%)
- Blue (52%)



- Red (0%)
- Yellow (26%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (48%)





- Cyan (100%)
- Magenta (48%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4685, 0.2247, 0.3287 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 18.4685, 0.2247, 0.3287 by changing the saturation by 10% instead.


 18.4685, 0.2247,
0.3287

 18.4685, 0.2247,
0.3287


 243.4986, 0.2742,
0.3302


 11.2869, 0.2103,
0.3275


 40.8340, 0.2441,
0.3297


 6.2601, 0.1904,
0.3253


 56.7867, 0.2510,
0.3299

 3.0039, 0.1616,
0.3207

 76.4319, 0.2566,
0.3301

 1.1338, 0.0939,
0.3175

 100.1539, 0.2613,
0.3301

 0.0066, 0.0000,
0.0106

 128.3372, 0.2652,
0.3302

 0.0000, 0.0000,
0.0000

 161.3662, 0.2686,

0.3302

199.6252, 0.2716,
0.3302

■ 18.4685, 0.2247,
0.3287

■ 18.4685, 0.2247,
0.3287

■ 18.4667, 0.2246,
0.3287

■ 18.5581, 0.2267,
0.3287

■ 18.7005, 0.2298,
0.3287

■ 18.9251, 0.2346,
0.3287

■ 19.2417, 0.2413,
0.3288

■ 19.6586, 0.2497,
0.3288

■ 20.1836, 0.2598,
0.3288

■ 20.8232, 0.2714,
0.3289

■ 21.5838, 0.2844,
0.3289

■ 22.4711, 0.2984,
0.3290

Harmonies

Analogous

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



18.4685, 0.2643, 0.3885



18.4685, 0.2247, 0.3287



18.4685, 0.2081, 0.2764

Triad

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



18.4685, 0.2247, 0.3287



18.4685, 0.2971, 0.2492



18.4685, 0.4167, 0.4065

Complementary

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



18.4685, 0.2247, 0.3287



4.9970, 0.6393, 0.3300

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.



18.4685, 0.4299, 0.3643



18.4685, 0.2247, 0.3287



18.4685, 0.3572, 0.2782

Square

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



18.4685, 0.2247, 0.3287



18.4685, 0.2466, 0.2370



18.4685, 0.4078, 0.3188



18.4685, 0.3753, 0.4335

Rectangle

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



18.4685, 0.2247, 0.3287



18.4685, 0.2106, 0.2531



18.4685, 0.4078, 0.3188



18.4685, 0.4248, 0.3934

Sweetspot

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



18.4692, 0.2247, 0.3287



37.1632, 0.2702, 0.3289



16.7811, 0.3000, 0.5997



8.2765, 0.2660, 0.3289



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.



18.4692, 0.2247, 0.3287



33.0646, 0.2246, 0.3287



5.6749, 0.1787, 0.1628



5.2788, 0.2992, 0.3290



17.5870, 0.2246, 0.3287



0.0609, 0.2247, 0.3287

Inverse Universe

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



6.6890, 0.3209, 0.1543



11.9617, 0.3210, 0.1542



8.9669, 0.5361, 0.4121



4.7628, 0.3137, 0.3076



6.3624, 0.3210, 0.1542



0.0220, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 18.4685, 0.2247, 0.3287 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 18.4685, 0.2247, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

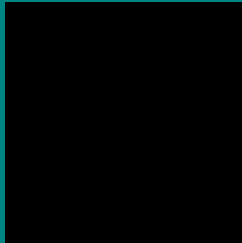
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4685, 0.2247, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 18.4685, 0.2247, 0.3287.

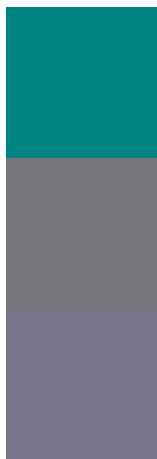


This preview shows how white text looks on a background with the Yxy color 18.4685, 0.2247, 0.3287.

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

18.4685, 0.2247, 0.3287

Protanopia

18.3340, 0.3070, 0.3176

Deuteranopia

18.3619, 0.2949, 0.2904



Tritanopia

18.6497, 0.2228, 0.3076

Trichromacy



Original Color

18.4685, 0.2247, 0.3287

Protanomaly

17.2347, 0.2582, 0.3203

Deuteranomaly

17.2744, 0.2511, 0.2999

Tritanomaly

18.4682, 0.2226, 0.3137

Monochromacy



Original Color

18.4685, 0.2247, 0.3287

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.7376, 0.2549, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4685, 0.2247, 0.3287 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(0, 133, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 133)  
}
```

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(0, 133, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 133) }
```

Border

The CSS property to change the border of an element to Yxy 18.4685, 0.2247, 0.3287 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(0, 133, 133) }
```

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

```
.border{ border-color:rgb(0, 133, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4685, 0.2247, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 133) }
```

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

```
.background{ background-color: rgb(0, 133,  
133) }
```

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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