

Converting Colors

$Yxy(17.8192, 0.2361, 0.3701)$

Have a look what the booklet for
Yxy(17.8192, 0.2361, 0.3701)
contains.

| | |
|--|----|
| Yxy(17.7403, 0.2357, 0.3686) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

$\text{Yxy}(17.7403, 0.2357, 0.3686)$

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 008473 |
| RGB | 0, 132, 115 |
| RGB Percent | 0%, 52%, 45% |
| CMY | 1.0000, 0.4823, 0.5490 |
| CMYK | 1.00, 0.00, 0.13, 0.48 |
| HSL | 172°, 100%, 26% |
| HSV | 172°, 100%, 52% |
| XYZ | 11.3440, 17.7403, 19.0446 |
| YIQ | 90.5940, -73.2150, -33.2710 |

Conversions

Conversions Part 2

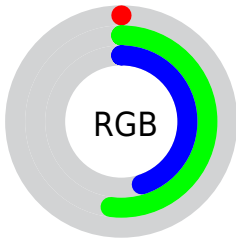
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 71, 132 |
| Decimal | 33907 |
| CIELab | 49.18, -34.77, 0.53 |
| CIELCh | 49, 34.775, 179.128 |
| Yxy | 17.7403, 0.2357, 0.3686 |
| Android (android.graphics.Color) | 4278223987 (0xFF008473) |
| YUV | 90.5940, 12.0322, -79.4509 |
| Hunter-Lab | 42.1192, -25.6333, 2.6750 |

Details

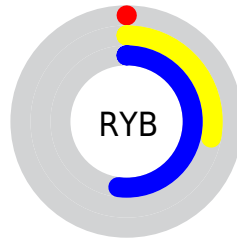
The Yxy color **17.7403, 0.2357, 0.3686** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.9466, 0.6188, 0.3182**, and the grayscale version is **10.3504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7017, 0.2536, 0.3594**, and **6.2901, 0.2388, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **17.7420, 0.2357, 0.3686**, and if you desaturate by 10%, it is **17.8686, 0.2368, 0.3642**.

Distribution



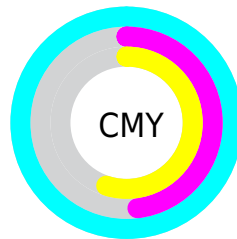
- Red (0%)
- Green (52%)
- Blue (45%)



- Red (0%)
- Yellow (28%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (48%)





- Cyan (100%)
- Magenta (48%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7403, 0.2357, 0.3686 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 17.7403, 0.2357, 0.3686 by changing the saturation by 10% instead.


 17.7403, 0.2357,
0.3686


 17.7403, 0.2357,
0.3686


 239.4031, 0.2800,
0.3458


 10.7637, 0.2222,
0.3756


 39.5943, 0.2535,
0.3594


 5.9082, 0.2031,
0.3856

 55.2405, 0.2596,
0.3562


 2.7893, 0.1743,
0.4007

 74.5453, 0.2646,
0.3537

 1.0228, 0.0529,
0.4621

 97.8932, 0.2687,
0.3515

 0.0000, 0.0000,
0.0000

 125.6686, 0.2722,
0.3498

 158.2557, 0.2752,

0.3482

196.0391, 0.2778,
0.3469

■ 17.7403, 0.2357,
0.3686

■ 17.7403, 0.2357,
0.3686

■ 17.7420, 0.2357,
0.3686

■ 17.8686, 0.2368,
0.3642

■ 18.0467, 0.2390,
0.3599

■ 18.3059, 0.2429,
0.3555

■ 18.6560, 0.2487,
0.3512

■ 19.1053, 0.2562,
0.3470

■ 19.6611, 0.2653,
0.3429

■ 20.3302, 0.2757,
0.3391

■ 21.1188, 0.2873,
0.3354

■ 22.0324, 0.2997,
0.3321

Harmonies

Analogous

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



17.7403, 0.2916, 0.4298



17.7403, 0.2357, 0.3686



17.7403, 0.2023, 0.3000

Triad

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



17.7403, 0.2357, 0.3686



17.7403, 0.2595, 0.2291



17.7403, 0.4441, 0.3884

Complementary

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



17.7403, 0.2357, 0.3686



4.9466, 0.6188, 0.3182

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.



17.7403, 0.4369, 0.3378



17.7403, 0.2357, 0.3686



17.7403, 0.3232, 0.2512

Square

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



17.7403, 0.2357, 0.3686



17.7403, 0.2153, 0.2278



17.7403, 0.3906, 0.2896



17.7403, 0.4130, 0.4321

Rectangle

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



17.7403, 0.2357, 0.3686



17.7403, 0.1950, 0.2643



17.7403, 0.3906, 0.2896



17.7403, 0.4463, 0.3717

Sweetspot

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



17.7420, 0.2357, 0.3686



35.7226, 0.2750, 0.3393



16.6290, 0.3046, 0.5963



8.2136, 0.2711, 0.3407



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.



17.7420, 0.2357, 0.3686



31.2338, 0.2360, 0.3695



7.9455, 0.1911, 0.2078



5.2688, 0.3008, 0.3318



17.1774, 0.2357, 0.3685



0.0602, 0.2298, 0.3473

Inverse Universe

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



4.9466, 0.6188, 0.3182



8.6991, 0.6226, 0.3204



7.0530, 0.5741, 0.3824



4.6978, 0.3260, 0.3262



4.7895, 0.6185, 0.3181



0.0172, 0.5450, 0.2776

Previews

White Background



This preview shows how the Yxy color 17.7403, 0.2357, 0.3686 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 17.7403, 0.2357, 0.3686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

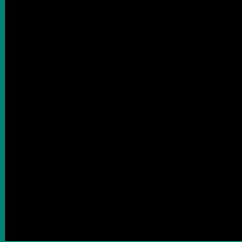
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7403, 0.2357, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 17.7403, 0.2357, 0.3686.

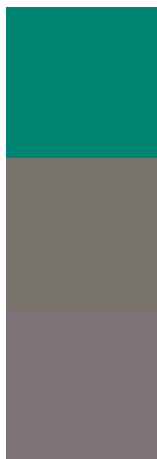


This preview shows how white text looks on a background with the Yxy color 17.7403, 0.2357, 0.3686.

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

17.7403, 0.2357, 0.3686

Protanopia

17.5963, 0.3315, 0.3486

Deuteranopia

17.5778, 0.3225, 0.3177



Tritanopia

17.9397, 0.2268, 0.3074

Trichromacy



Original Color

17.7403, 0.2357, 0.3686

Protanomaly

16.6010, 0.2756, 0.3579

Deuteranomaly

16.4464, 0.2694, 0.3332

Tritanomaly

17.7591, 0.2289, 0.3288

Monochromacy



Original Color

17.7403, 0.2357, 0.3686

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

12.1277, 0.2610, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7403, 0.2357, 0.3686 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, 132, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 115)  
}
```

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, 132, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 115) }
```

Border

The CSS property to change the border of an element to Yxy 17.7403, 0.2357, 0.3686 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, 132, 115) }
```

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

```
.border{ border-color:rgb(0, 132, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7403, 0.2357, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 115) }
```

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

```
.background{ background-color: rgb(0, 132,  
115) }
```

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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