

Converting Colors

$Yxy(22.6465, 0.2378, 0.3760)$

Have a look what the booklet for
Yxy(22.6465, 0.2378, 0.3760)
contains.

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Color

Yxy(22.6862, 0.2377, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	00947E
RGB	0, 148, 126
RGB Percent	0%, 58%, 49%
CMY	0.9991, 0.4196, 0.5059
CMYK	1.00, 0.00, 0.15, 0.42
HSL	171°, 100%, 29%
HSV	171°, 100%, 58%
XYZ	14.3571, 22.6862, 23.3566
YIQ	101.2400, -81.1460, -38.2180

Conversions

Conversions Part 2

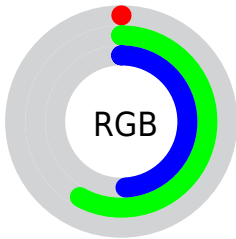
Format	Color
RYB	0, 80, 148
Decimal	38014
CIELab	54.75, -38.66, 2.25
CIELCh	55, 38.728, 176.662
Yxy	22.6862, 0.2377, 0.3756
Android (android.graphics.Color)	4278228094 (0xFF00947E)
YUV	101.2400, 12.2067, -88.7875
Hunter-Lab	47.6300, -29.5475, 4.2666

Details

The Yxy color **22.6862, 0.2377, 0.3756** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3594, 0.6160, 0.3169**, and the grayscale version is **13.0800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9928, 0.2540, 0.3648**, and **8.9016, 0.2414, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **22.6848, 0.2377, 0.3757**, and if you desaturate by 10%, it is **22.8449, 0.2383, 0.3705**.

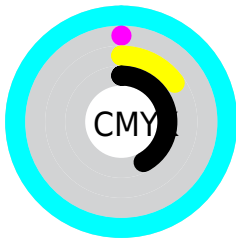
Distribution



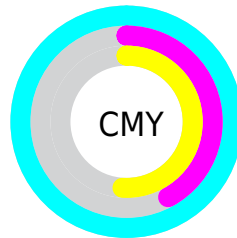
- Red (0%)
- Green (58%)
- Blue (49%)



- Red (0%)
- Yellow (31%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6862, 0.2377, 0.3756 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 22.6862, 0.2377, 0.3756 by changing the saturation by 10% instead.


 22.6862, 0.2377,
0.3756


 22.6862, 0.2377,
0.3756


266.1091, 0.2795,
0.3493


 14.3620, 0.2256,
0.3834


 47.8776, 0.2540,
0.3652

 8.3729, 0.2090,
0.3941


 65.5135, 0.2598,
0.3616


 4.3344, 0.1849,
0.4101

 87.0221, 0.2646,
0.3586

 1.8623, 0.1430,
0.4382

 112.7877, 0.2685,
0.3561

 0.5256, 0.0000,
0.5590

 143.1949, 0.2719,
0.3541

 0.0000, 0.0000,
0.0000

 178.6279, 0.2748,

0.3523

219.4712, 0.2773,
0.3507

■ 22.6862, 0.2377,
0.3756

■ 22.6862, 0.2377,
0.3756

■ 22.6848, 0.2377,
0.3757

■ 22.8449, 0.2383,
0.3705

■ 23.0753, 0.2403,
0.3653

■ 23.4113, 0.2440,
0.3602

■ 23.8660, 0.2496,
0.3551

■ 24.4505, 0.2570,
0.3501

■ 25.1747, 0.2659,
0.3453

■ 26.0473, 0.2762,
0.3407

■ 27.0766, 0.2877,
0.3365

■ 28.2702, 0.3000,
0.3326

Harmonies

Analogous

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



22.6862, 0.2963, 0.4364



22.6862, 0.2377, 0.3756



22.6862, 0.2015, 0.3043

Triad

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



22.6862, 0.2377, 0.3756



22.6862, 0.2536, 0.2259



22.6862, 0.4483, 0.3853

Complementary

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



22.6862, 0.2377, 0.3756



6.3594, 0.6160, 0.3169

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.



22.6862, 0.4376, 0.3335



22.6862, 0.2377, 0.3756



22.6862, 0.3176, 0.2469

Square

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



22.6862, 0.2377, 0.3756



22.6862, 0.2105, 0.2264



22.6862, 0.3874, 0.2849



22.6862, 0.4191, 0.4313

Rectangle

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



22.6862, 0.2377, 0.3756



22.6862, 0.1926, 0.2664



22.6862, 0.3874, 0.2849



22.6862, 0.4496, 0.3681

Sweetspot

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



22.6871, 0.2377, 0.3756



45.8354, 0.2754, 0.3411



21.3551, 0.3050, 0.5959



10.3231, 0.2714, 0.3428



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.6871, 0.2377, 0.3756



40.0067, 0.2380, 0.3767



10.5557, 0.1924, 0.2125



6.5475, 0.3008, 0.3323



19.3798, 0.2376, 0.3754



0.2404, 0.2307, 0.3505

Inverse Universe

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



6.3594, 0.6160, 0.3169



11.1950, 0.6200, 0.3189



8.7471, 0.5800, 0.3775



5.8286, 0.3260, 0.3257



5.4301, 0.6152, 0.3163



0.0691, 0.5334, 0.2712

Previews

White Background



This preview shows how the Yxy color 22.6862, 0.2377, 0.3756 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 22.6862, 0.2377, 0.3756 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 22.6862, 0.2377, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 22.6862, 0.2377, 0.3756.

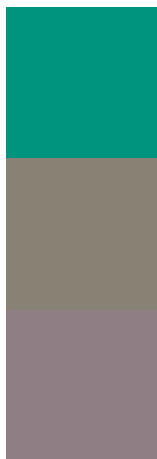


This preview shows how white text looks on a background with the Yxy color 22.6862, 0.2377, 0.3756.

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

22.6862, 0.2377, 0.3756

Protanopia

22.4605, 0.3353, 0.3538

Deuteranopia

22.4000, 0.3275, 0.3206



Tritanopia

22.8182, 0.2262, 0.3056

Trichromacy



Original Color

22.6862, 0.2377, 0.3756



Protanomaly

21.2736, 0.2778, 0.3633



Deuteranomaly

20.8593, 0.2729, 0.3388



Tritanomaly

22.5147, 0.2287, 0.3288

Monochromacy



Original Color

22.6862, 0.2377, 0.3756



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

15.1726, 0.2613, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6862, 0.2377, 0.3756 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, 148, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 126)  
}
```

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, 148, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 126) }
```

Border

The CSS property to change the border of an element to Yxy 22.6862, 0.2377, 0.3756 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, 148, 126) }
```

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

```
.border{ border-color:rgb(0, 148, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6862, 0.2377, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 126) }
```

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

```
.background{ background-color: rgb(0, 148,  
126) }
```

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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