

Converting Colors

$Yxy(22.6116, 0.1778, 0.4009)$

Have a look what the booklet for
Yxy(22.6116, 0.1778, 0.4009)
contains.

Yxy(25.6462, 0.2417, 0.3902)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.6462, 0.2417, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	009D7F
RGB	0, 157, 127
RGB Percent	0%, 62%, 50%
CMY	1.0000, 0.3843, 0.5019
CMYK	1.00, 0.00, 0.19, 0.38
HSL	169°, 100%, 31%
HSV	169°, 100%, 62%
XYZ	15.8859, 25.6462, 24.1937
YIQ	106.6370, -83.9420, -42.6140

Conversions

Conversions Part 2

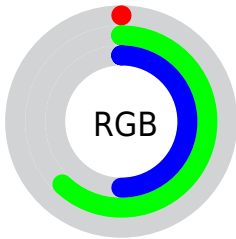
Format	Color
RYB	0, 87, 157
Decimal	40319
CIELab	57.70, -42.25, 5.93
CIELCh	58, 42.666, 172.009
Yxy	25.6462, 0.2417, 0.3902
Android (android.graphics.Color)	4278230399 (0xFF009D7F)
YUV	106.6370, 10.0390, -93.5206
Hunter-Lab	50.6421, -32.6299, 7.1244

Details

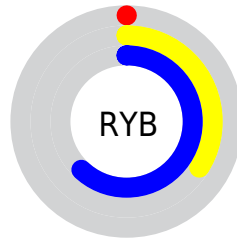
The Yxy color **25.6462, 0.2417, 0.3902** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.2625, 0.6072, 0.3119**, and the grayscale version is **14.5877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5061, 0.2568, 0.3755**, and **10.6532, 0.2471, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **25.6485, 0.2417, 0.3902**, and if you desaturate by 10%, it is **25.8355, 0.2419, 0.3834**.

Distribution



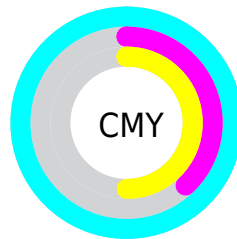
- Red (0%)
- Green (62%)
- Blue (50%)



- Red (0%)
- Yellow (34%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6462, 0.2417, 0.3902 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 25.6462, 0.2417, 0.3902 by changing the saturation by 10% instead.


 25.6462, 0.2417,
0.3902


 25.6462, 0.2417,
0.3902


281.0410, 0.2809,
0.3557


 16.5591, 0.2305,
0.4004


 52.7036, 0.2569,
0.3766


 9.9207, 0.2153,
0.4146


 71.4428, 0.2623,
0.3718


 5.3464, 0.1933,
0.4357

 94.1681, 0.2668,
0.3679

 2.4519, 0.1593,
0.4701

 121.2640, 0.2705,
0.3646

 0.8524, 0.0000,
0.6241

 153.1148, 0.2737,
0.3619

 0.0000, 0.0000,
0.0000

 190.1050, 0.2765,

0.3595

232.6189, 0.2788,
0.3575

■ 25.6462, 0.2417,
0.3902

■ 25.6462, 0.2417,
0.3902

■ 25.6485, 0.2417,
0.3902

■ 25.8355, 0.2419,
0.3834

■ 26.1073, 0.2434,
0.3766

■ 26.5006, 0.2467,
0.3698

■ 27.0306, 0.2519,
0.3631

■ 27.7103, 0.2589,
0.3566

■ 28.5511, 0.2675,
0.3503

■ 29.5632, 0.2775,
0.3443

■ 30.7563, 0.2885,
0.3388

■ 32.1389, 0.3003,
0.3337

Harmonies

Analogous

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



25.6462, 0.3056, 0.4498



25.6462, 0.2417, 0.3902



25.6462, 0.1998, 0.3133

Triad

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



25.6462, 0.2417, 0.3902



25.6462, 0.2417, 0.2195



25.6462, 0.4570, 0.3789

Complementary

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



25.6462, 0.2417, 0.3902



7.2625, 0.6072, 0.3119

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.



25.6462, 0.4390, 0.3248



25.6462, 0.2417, 0.3902



25.6462, 0.3062, 0.2382

Square

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



25.6462, 0.2417, 0.3902



25.6462, 0.2007, 0.2235



25.6462, 0.3807, 0.2754



25.6462, 0.4315, 0.4295

Rectangle

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



25.6462, 0.2417, 0.3902



25.6462, 0.1877, 0.2707



25.6462, 0.3807, 0.2754



25.6462, 0.4562, 0.3608

Sweetspot

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



25.6485, 0.2417, 0.3902



52.8269, 0.2769, 0.3447



24.4136, 0.3075, 0.5941



11.4621, 0.2729, 0.3469



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.6485, 0.2417, 0.3902



45.9031, 0.2421, 0.3915



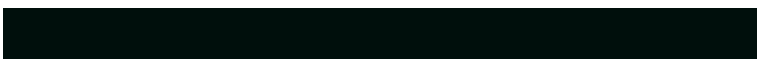
13.5658, 0.1971, 0.2294



7.4877, 0.3012, 0.3333



20.8346, 0.2416, 0.3897



0.3777, 0.2341, 0.3626

Inverse Universe

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



7.2625, 0.6072, 0.3119



12.9837, 0.6112, 0.3140



9.2099, 0.5940, 0.3665



6.6658, 0.3255, 0.3247



5.9023, 0.6055, 0.3109



0.1105, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 25.6462, 0.2417, 0.3902 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 25.6462, 0.2417, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

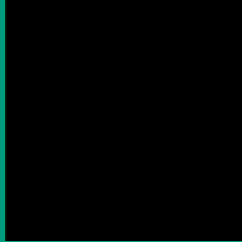
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6462, 0.2417, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 25.6462, 0.2417, 0.3902.

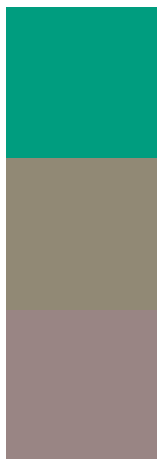


This preview shows how white text looks on a background with the Yxy color 25.6462, 0.2417, 0.3902.

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

25.6462, 0.2417, 0.3902

Protanopia

25.1954, 0.3431, 0.3627

Deuteranopia

25.2133, 0.3369, 0.3307



Tritanopia

25.7411, 0.2276, 0.3067

Trichromacy



Original Color

25.6462, 0.2417, 0.3902



Protanomaly

23.6023, 0.2825, 0.3738



Deuteranomaly

23.4991, 0.2789, 0.3518



Tritanomaly

25.6216, 0.2308, 0.3345

Monochromacy



Original Color

25.6462, 0.2417, 0.3902



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.1111, 0.2634, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6462, 0.2417, 0.3902 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, 157, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 127)  
}
```

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, 157, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 127) }
```

Border

The CSS property to change the border of an element to Yxy 25.6462, 0.2417, 0.3902 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, 157, 127) }
```

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

```
.border{ border-color:rgb(0, 157, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6462, 0.2417, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 127) }
```

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

```
.background{ background-color: rgb(0, 157,  
127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor