

Converting Colors

$Yxy(21.5177, 0.1731, 0.4134)$

Have a look what the booklet for
Yxy(21.5177, 0.1731, 0.4134)
contains.

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Color

Yxy(24.4673, 0.2445, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	009A78
RGB	0, 154, 120
RGB Percent	0%, 60%, 47%
CMY	1.0000, 0.3961, 0.5293
CMYK	1.00, 0.00, 0.22, 0.40
HSL	167°, 100%, 30%
HSV	167°, 100%, 60%
XYZ	14.9444, 24.4673, 21.7107
YIQ	104.0780, -80.8700, -43.2220

Conversions

Conversions Part 2

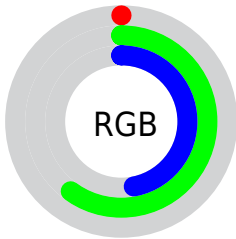
Format	Color
RYB	0, 87, 154
Decimal	39544
CIELab	56.55, -42.86, 8.25
CIELCh	57, 43.646, 169.107
Yxy	24.4673, 0.2445, 0.4003
Android (android.graphics.Color)	4278229624 (0xFF009A78)
YUV	104.0780, 7.8495, -91.2764
Hunter-Lab	49.4644, -32.6335, 8.6018

Details

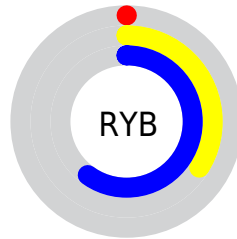
The Yxy color **24.4673, 0.2445, 0.4003** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9860, 0.5986, 0.3071**, and the grayscale version is **13.8617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6542, 0.2598, 0.3840**, and **9.9706, 0.2505, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **24.4698, 0.2445, 0.4003**, and if you desaturate by 10%, it is **24.6587, 0.2444, 0.3924**.

Distribution



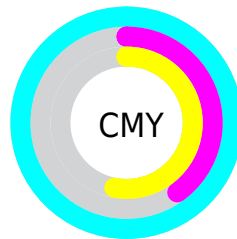
- Red (0%)
- Green (60%)
- Blue (47%)



- Red (0%)
- Yellow (34%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4673, 0.2445, 0.4003 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 24.4673, 0.2445, 0.4003 by changing the saturation by 10% instead.


 24.4673, 0.2445,
0.4003


 24.4673, 0.2445,
0.4003


275.1746, 0.2827,
0.3595


 15.6806, 0.2334,
0.4127


 50.7917, 0.2595,
0.3840

 9.2984, 0.2180,
0.4302


 69.0982, 0.2648,
0.3783

 4.9364, 0.1954,
0.4568

 91.3468, 0.2691,
0.3737

 2.2100, 0.1581,
0.5024

 117.9218, 0.2727,
0.3699

 0.7254, 0.0000,
0.7729

 149.2077, 0.2758,
0.3667

 0.0000, 0.0000,
0.0000

 185.5889, 0.2784,

0.3639

227.4497, 0.2807,
0.3615

■ 24.4673, 0.2445,
0.4003

■ 24.4673, 0.2445,
0.4003

■ 24.4698, 0.2445,
0.4003

■ 24.6587, 0.2444,
0.3924

■ 24.9290, 0.2457,
0.3844

■ 25.3163, 0.2489,
0.3764

■ 25.8350, 0.2539,
0.3686

■ 26.4976, 0.2606,
0.3610

■ 27.3150, 0.2690,
0.3536

■ 28.2969, 0.2786,
0.3467

■ 29.4524, 0.2893,
0.3403

■ 30.7899, 0.3008,
0.3344

Harmonies

Analogous

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



24.4673, 0.3120, 0.4586



24.4673, 0.2445, 0.4003



24.4673, 0.1988, 0.3197

Triad

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



24.4673, 0.2445, 0.4003



24.4673, 0.2339, 0.2152



24.4673, 0.4627, 0.3745

Complementary

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



24.4673, 0.2445, 0.4003



6.9860, 0.5986, 0.3071

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.



24.4673, 0.4396, 0.3190



24.4673, 0.2445, 0.4003



24.4673, 0.2985, 0.2324

Square

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



24.4673, 0.2445, 0.4003



24.4673, 0.1944, 0.2216



24.4673, 0.3760, 0.2691



24.4673, 0.4397, 0.4279

Rectangle

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



24.4673, 0.2445, 0.4003



24.4673, 0.1846, 0.2739



24.4673, 0.3760, 0.2691



24.4673, 0.4604, 0.3558

Sweetspot

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



24.4698, 0.2445, 0.4003



51.2832, 0.2780, 0.3471



23.4871, 0.3097, 0.5923



11.4424, 0.2741, 0.3498



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.



24.4698, 0.2445, 0.4003



44.4176, 0.2450, 0.4018



14.1297, 0.2004, 0.2413



7.0032, 0.3017, 0.3340



19.9399, 0.2444, 0.3997



0.3033, 0.2346, 0.3645

Inverse Universe

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



6.9860, 0.5986, 0.3071



12.6653, 0.6031, 0.3096



8.4612, 0.6017, 0.3605



6.2439, 0.3250, 0.3241



5.6959, 0.5968, 0.3061



0.0898, 0.4988, 0.2521

Previews

White Background



This preview shows how the Yxy color 24.4673, 0.2445, 0.4003 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 24.4673, 0.2445, 0.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

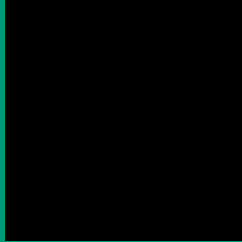
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4673, 0.2445, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 24.4673, 0.2445, 0.4003.



This preview shows how white text looks on a background with the Yxy color 24.4673, 0.2445, 0.4003.

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

24.4673, 0.2445, 0.4003

Protanopia

24.2934, 0.3490, 0.3718

Deuteranopia

24.1213, 0.3445, 0.3373



Tritanopia

24.6965, 0.2282, 0.3064

Trichromacy



Original Color

24.4673, 0.2445, 0.4003



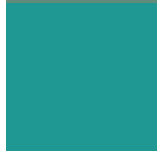
Protanomaly

22.7851, 0.2874, 0.3847



Deuteranomaly

22.4367, 0.2847, 0.3601



Tritanomaly

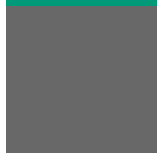
24.4998, 0.2325, 0.3386

Monochromacy



Original Color

24.4673, 0.2445, 0.4003



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.2031, 0.2644, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4673, 0.2445, 0.4003 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, 154, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 120)  
}
```

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, 154, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 120) }
```

Border

The CSS property to change the border of an element to Yxy 24.4673, 0.2445, 0.4003 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, 154, 120) }
```

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

```
.border{ border-color:rgb(0, 154, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4673, 0.2445, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 120) }
```

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

```
.background{ background-color: rgb(0, 154,  
120) }
```

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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