

Converting Colors

$Yxy(23.2676, 0.2233, 0.4063)$

Have a look what the booklet for
Yxy(23.2676, 0.2233, 0.4063)
contains.

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Color

Yxy(24.4431, 0.2452, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	009A77
RGB	0, 154, 119
RGB Percent	0%, 60%, 47%
CMY	0.9991, 0.3961, 0.5334
CMYK	1.00, 0.00, 0.23, 0.40
HSL	166°, 100%, 30%
HSV	166°, 100%, 60%
XYZ	14.8869, 24.4431, 21.3832
YIQ	103.9640, -80.5490, -43.5330

Conversions

Conversions Part 2

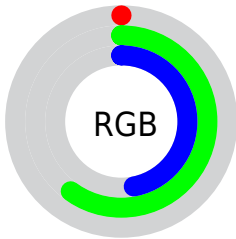
Format	Color
RYB	0, 87, 154
Decimal	39543
CIELab	56.53, -43.10, 8.80
CIELCh	57, 43.992, 168.464
Yxy	24.4431, 0.2452, 0.4026
Android (android.graphics.Color)	4278229623 (0xFF009A77)
YUV	103.9640, 7.4127, -91.1764
Hunter-Lab	49.4400, -32.7718, 8.9646

Details

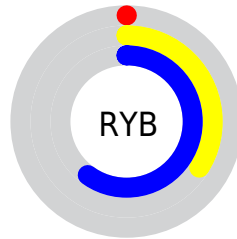
The Yxy color **24.4431, 0.2452, 0.4026** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9975, 0.5961, 0.3059**, and the grayscale version is **13.8475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6159, 0.2603, 0.3855**, and **9.9577, 0.2514, 0.4252** is the 20% darker color. If you saturate the color by 10%, you get **24.4414, 0.2452, 0.4027**, and if you desaturate by 10%, it is **24.6353, 0.2450, 0.3944**.

Distribution



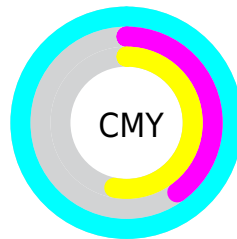
- Red (0%)
- Green (60%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (40%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4431, 0.2452, 0.4026 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 24.4431, 0.2452, 0.4026 by changing the saturation by 10% instead.


 24.4431, 0.2452,
0.4026


 24.4431, 0.2452,
0.4026


275.0531, 0.2831,
0.3604


 15.6626, 0.2341,
0.4155


 50.7523, 0.2601,
0.3857

 9.2857, 0.2188,
0.4337


 69.0499, 0.2653,
0.3798


 4.9280, 0.1962,
0.4614

 91.2885, 0.2696,
0.3751

 2.2051, 0.1586,
0.5091

 117.8528, 0.2732,
0.3711

 0.7228, 0.0000,
0.8079

 149.1270, 0.2763,
0.3678

 0.0000, 0.0000,
0.0000

 185.4955, 0.2789,

0.3649

227.3427, 0.2811,
0.3625

■ 24.4431, 0.2452,
0.4026

■ 24.4431, 0.2452,
0.4026

■ 24.4414, 0.2452,
0.4027

■ 24.6353, 0.2450,
0.3944

■ 24.9090, 0.2463,
0.3861

■ 25.3002, 0.2494,
0.3779

■ 25.8232, 0.2544,
0.3698

■ 26.4904, 0.2611,
0.3619

■ 27.3126, 0.2694,
0.3543

■ 28.2998, 0.2790,
0.3472

■ 29.4608, 0.2896,
0.3406

■ 30.8041, 0.3010,
0.3345

Harmonies

Analogous

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



24.4431, 0.3135, 0.4605



24.4431, 0.2452, 0.4026



24.4431, 0.1986, 0.3212

Triad

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



24.4431, 0.2452, 0.4026



24.4431, 0.2322, 0.2143



24.4431, 0.4639, 0.3735

Complementary

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



24.4431, 0.2452, 0.4026



6.9975, 0.5961, 0.3059

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.



24.4431, 0.4397, 0.3177



24.4431, 0.2452, 0.4026



24.4431, 0.2967, 0.2312

Square

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



24.4431, 0.2452, 0.4026



24.4431, 0.1930, 0.2212



24.4431, 0.3749, 0.2677



24.4431, 0.4416, 0.4275

Rectangle

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



24.4431, 0.2452, 0.4026



24.4431, 0.1839, 0.2746



24.4431, 0.3749, 0.2677



24.4431, 0.4613, 0.3547

Sweetspot

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



24.4441, 0.2452, 0.4026



51.2650, 0.2783, 0.3477



23.4883, 0.3098, 0.5921



11.4379, 0.2744, 0.3505



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.



24.4441, 0.2452, 0.4026



44.3698, 0.2456, 0.4043



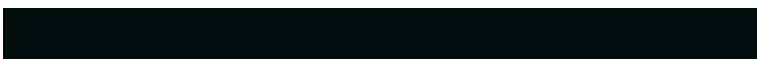
14.1430, 0.2005, 0.2415



7.0025, 0.3018, 0.3341



19.9189, 0.2450, 0.4021



0.3031, 0.2349, 0.3657

Inverse Universe

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



6.9975, 0.5961, 0.3059



12.6761, 0.6011, 0.3085



8.4723, 0.6013, 0.3606



6.2446, 0.3249, 0.3240



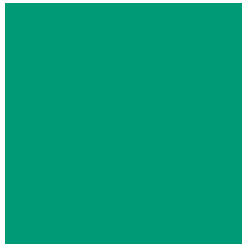
5.7011, 0.5947, 0.3050



0.0900, 0.4956, 0.2504

Previews

White Background



This preview shows how the Yxy color 24.4431, 0.2452, 0.4026 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 24.4431, 0.2452, 0.4026 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 24.4431, 0.2452, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 24.4431, 0.2452, 0.4026.

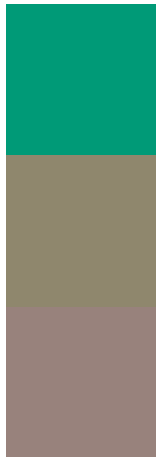


This preview shows how white text looks on a background with the Yxy color 24.4431, 0.2452, 0.4026.

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

24.4431, 0.2452, 0.4026

Protanopia

24.2717, 0.3502, 0.3735

Deuteranopia

24.0959, 0.3456, 0.3389



Tritanopia

24.3814, 0.2278, 0.3044

Trichromacy



Original Color

24.4431, 0.2452, 0.4026



Protanomaly

22.7624, 0.2883, 0.3868



Deuteranomaly

22.4118, 0.2856, 0.3621



Tritanomaly

24.1793, 0.2320, 0.3367

Monochromacy



Original Color

24.4431, 0.2452, 0.4026



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.1814, 0.2653, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4431, 0.2452, 0.4026 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, 119)` looks like.

```
.text, #text, p{  
  color:rgb(0, 154, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 119) }
```

Border

The CSS property to change the border of an element to Yxy 24.4431, 0.2452, 0.4026 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, 119) }
```

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

```
.border{ border-color:rgb(0, 154, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4431, 0.2452, 0.4026 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, 119) }
```

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

```
.background{ background-color: rgb(0, 154,  
119) }
```

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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