

Converting Colors

$Yxy(24.7972, 0.2503, 0.4211)$

Have a look what the booklet for
Yxy(24.7972, 0.2503, 0.4211)
contains.

Yxy(24.9468, 0.2505, 0.4219)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9468, 0.2505, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	009C70
RGB	0, 156, 112
RGB Percent	0%, 61%, 44%
CMY	1.0000, 0.3882, 0.5607
CMYK	1.00, 0.00, 0.28, 0.39
HSL	163°, 100%, 31%
HSV	163°, 100%, 61%
XYZ	14.8120, 24.9468, 19.3709
YIQ	104.3400, -78.8520, -46.7560

Conversions

Conversions Part 2

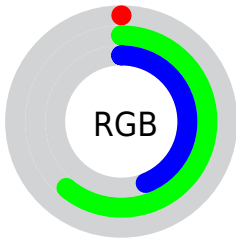
Format	Color
RYB	0, 91, 156
Decimal	40048
CIELab	57.02, -45.69, 13.42
CIELCh	57, 47.619, 163.633
Yxy	24.9468, 0.2505, 0.4219
Android (android.graphics.Color)	4278230128 (0xFF009C70)
YUV	104.3400, 3.7764, -91.5062
Hunter-Lab	49.9468, -34.4717, 11.9683

Details

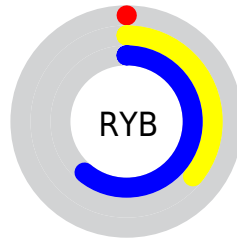
The Yxy color **24.9468, 0.2505, 0.4219** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.2502, 0.5794, 0.2965**, and the grayscale version is **13.9464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8420, 0.2648, 0.4005**, and **10.0707, 0.2586, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **24.9492, 0.2505, 0.4219**, and if you desaturate by 10%, it is **25.1563, 0.2498, 0.4115**.

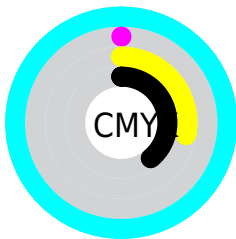
Distribution



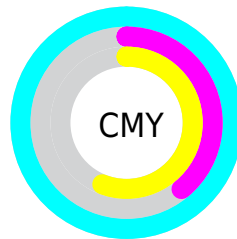
- Red (0%)
- Green (61%)
- Blue (44%)



- Red (0%)
- Yellow (36%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9468, 0.2505, 0.4219 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 24.9468, 0.2505, 0.4219 by changing the saturation by 10% instead.


 24.9468, 0.2505,
0.4219


 24.9468, 0.2505,
0.4219


 277.5729, 0.2859,
0.3680


 16.0374, 0.2399,
0.4385


 51.5709, 0.2646,
0.4002


 9.5506, 0.2250,
0.4623


 70.0544, 0.2695,
0.3927


 5.1021, 0.2029,
0.4987

 92.4981, 0.2735,
0.3866

 2.3073, 0.1647,
0.5621

 119.2864, 0.2768,
0.3816

 0.7776, 0.0000,
1.0000

 150.8036, 0.2796,
0.3774

 0.0000, 0.0000,
0.0000

 187.4341, 0.2820,

0.3738

229.5624, 0.2841,
0.3707

■ 24.9468, 0.2505,
0.4219

■ 24.9468, 0.2505,
0.4219

■ 24.9492, 0.2505,
0.4219

■ 25.1563, 0.2498,
0.4115

■ 25.4494, 0.2506,
0.4011

■ 25.8647, 0.2532,
0.3906

■ 26.4175, 0.2578,
0.3803

■ 27.1203, 0.2640,
0.3703

■ 27.9846, 0.2718,
0.3608

■ 29.0204, 0.2809,
0.3519

■ 30.2373, 0.2909,
0.3435

■ 31.6437, 0.3016,
0.3359

Harmonies

Analogous

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



24.9468, 0.3252, 0.4762



24.9468, 0.2505, 0.4219



24.9468, 0.1968, 0.3337

Triad

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



24.9468, 0.2505, 0.4219



24.9468, 0.2181, 0.2066



24.9468, 0.4742, 0.3653

Complementary

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



24.9468, 0.2505, 0.4219



7.2502, 0.5794, 0.2965

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.



24.9468, 0.4404, 0.3070



24.9468, 0.2505, 0.4219



24.9468, 0.2826, 0.2207

Square

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



24.9468, 0.2505, 0.4219



24.9468, 0.1817, 0.2178



24.9468, 0.3657, 0.2562



24.9468, 0.4567, 0.4239

Rectangle

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



24.9468, 0.2505, 0.4219



24.9468, 0.1782, 0.2808



24.9468, 0.3657, 0.2562



24.9468, 0.4687, 0.3455

Sweetspot

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



24.9492, 0.2505, 0.4219



52.5846, 0.2803, 0.3524



24.3188, 0.3135, 0.5893



11.4027, 0.2767, 0.3558



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.



24.9492, 0.2505, 0.4219



45.2763, 0.2511, 0.4239



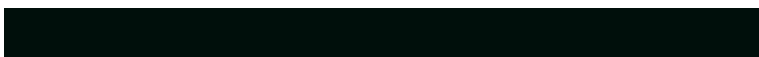
16.3698, 0.2052, 0.2587



7.4776, 0.3024, 0.3354



20.5550, 0.2503, 0.4211



0.3743, 0.2388, 0.3797

Inverse Universe

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



7.2502, 0.5794, 0.2965



13.1379, 0.5842, 0.2992



8.2012, 0.6125, 0.3518



6.6754, 0.3242, 0.3227



5.9768, 0.5775, 0.2955



0.1135, 0.4769, 0.2401

Previews

White Background



This preview shows how the Yxy color 24.9468, 0.2505, 0.4219 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 24.9468, 0.2505, 0.4219 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 24.9468, 0.2505, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 24.9468, 0.2505, 0.4219.



This preview shows how white text looks on a background with the Yxy color 24.9468, 0.2505, 0.4219.

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

24.9468, 0.2505, 0.4219

Protanopia

24.6986, 0.3600, 0.3848

Deuteranopia

24.6085, 0.3571, 0.3502



Tritanopia

25.1514, 0.2297, 0.3066

Trichromacy



Original Color

24.9468, 0.2505, 0.4219



Protanomaly

23.0127, 0.2965, 0.4028



Deuteranomaly

22.6698, 0.2931, 0.3759



Tritanomaly

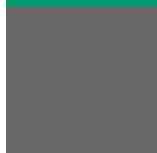
24.7934, 0.2347, 0.3445

Monochromacy



Original Color

24.9468, 0.2505, 0.4219



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.3857, 0.2674, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9468, 0.2505, 0.4219 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, 156, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 112)  
}
```

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, 156, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 112) }
```

Border

The CSS property to change the border of an element to Yxy 24.9468, 0.2505, 0.4219 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, 156, 112) }
```

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

```
.border{ border-color:rgb(0, 156, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9468, 0.2505, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 112) }
```

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

```
.background{ background-color: rgb(0, 156,  
112) }
```

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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