

Converting Colors

$Yxy(23.2496, 0.2182, 0.4155)$

Have a look what the booklet for
Yxy(23.2496, 0.2182, 0.4155)
contains.

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Color

Yxy(24.7036, 0.2475, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	009B74
RGB	0, 155, 116
RGB Percent	0%, 61%, 45%
CMY	1.0000, 0.3921, 0.5450
CMYK	1.00, 0.00, 0.25, 0.39
HSL	165°, 100%, 30%
HSV	165°, 100%, 61%
XYZ	14.8726, 24.7036, 20.5152
YIQ	104.2090, -79.8610, -44.9890

Conversions

Conversions Part 2

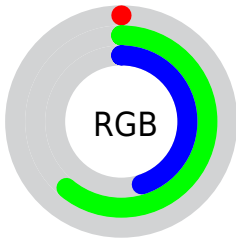
Format	Color
RYB	0, 89, 155
Decimal	39796
CIELab	56.79, -44.30, 10.83
CIELCh	57, 45.602, 166.255
Yxy	24.7036, 0.2475, 0.4111
Android (android.graphics.Color)	4278229876 (0xFF009B74)
YUV	104.2090, 5.8130, -91.3913
Hunter-Lab	49.7027, -33.5669, 10.3194

Details

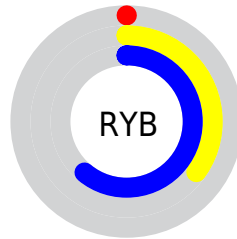
The Yxy color **24.7036, 0.2475, 0.4111** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.1154, 0.5893, 0.3020**, and the grayscale version is **13.9041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9950, 0.2622, 0.3916**, and **10.1179, 0.2549, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **24.7061, 0.2475, 0.4111**, and if you desaturate by 10%, it is **24.9045, 0.2471, 0.4019**.

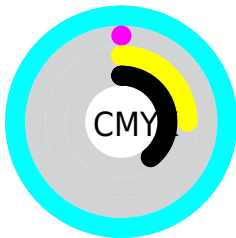
Distribution



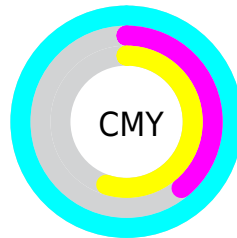
- Red (0%)
- Green (61%)
- Blue (45%)



- Red (0%)
- Yellow (35%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7036, 0.2475, 0.4111 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 24.7036, 0.2475, 0.4111 by changing the saturation by 10% instead.


 24.7036, 0.2475,
0.4111


 24.7036, 0.2475,
0.4111


276.3586, 0.2843,
0.3638


 15.8564, 0.2366,
0.4256

 51.1760, 0.2620,
0.3921

 9.4226, 0.2215,
0.4463


 69.5699, 0.2671,
0.3855


 5.0178, 0.1992,
0.4778

 91.9148, 0.2713,
0.3802

 2.2577, 0.1615,
0.5324

 118.5952, 0.2748,
0.3758

 0.7512, 0.0000,
0.9255

 149.9953, 0.2777,
0.3720

 0.0000, 0.0000,
0.0000

 186.4997, 0.2802,

0.3689

228.4927, 0.2824,
0.3661

■ 24.7036, 0.2475,
0.4111

■ 24.7036, 0.2475,
0.4111

■ 24.7061, 0.2475,
0.4111

■ 24.9045, 0.2471,
0.4019

■ 25.1865, 0.2481,
0.3927

■ 25.5882, 0.2510,
0.3835

■ 26.1242, 0.2558,
0.3744

■ 26.8071, 0.2623,
0.3657

■ 27.6480, 0.2704,
0.3572

■ 28.6569, 0.2797,
0.3493

■ 29.8430, 0.2901,
0.3419

■ 31.2149, 0.3012,
0.3352

Harmonies

Analogous

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



24.7036, 0.3186, 0.4676



24.7036, 0.2475, 0.4111



24.7036, 0.1978, 0.3266

Triad

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



24.7036, 0.2475, 0.4111



24.7036, 0.2258, 0.2108



24.7036, 0.4686, 0.3699

Complementary

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



24.7036, 0.2475, 0.4111



7.1154, 0.5893, 0.3020

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.



24.7036, 0.4401, 0.3129



24.7036, 0.2475, 0.4111



24.7036, 0.2904, 0.2265

Square

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



24.7036, 0.2475, 0.4111



24.7036, 0.1879, 0.2197



24.7036, 0.3709, 0.2626



24.7036, 0.4483, 0.4260

Rectangle

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



24.7036, 0.2475, 0.4111



24.7036, 0.1813, 0.2773



24.7036, 0.3709, 0.2626



24.7036, 0.4647, 0.3506

Sweetspot

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



24.7061, 0.2475, 0.4111



51.2034, 0.2792, 0.3498



23.9228, 0.3122, 0.5903



11.4223, 0.2754, 0.3528



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.



24.7061, 0.2475, 0.4111



44.2110, 0.2480, 0.4128



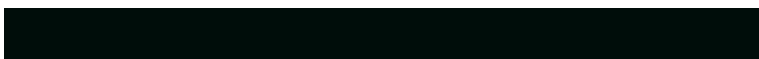
15.5217, 0.2036, 0.2529



7.0000, 0.3021, 0.3347



19.8489, 0.2473, 0.4103



0.3024, 0.2361, 0.3698

Inverse Universe

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



7.1154, 0.5893, 0.3020



12.7160, 0.5939, 0.3045



8.2410, 0.6091, 0.3546



6.2469, 0.3246, 0.3234



5.7201, 0.5873, 0.3009



0.0907, 0.4853, 0.2447

Previews

White Background



This preview shows how the Yxy color 24.7036, 0.2475, 0.4111 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 24.7036, 0.2475, 0.4111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

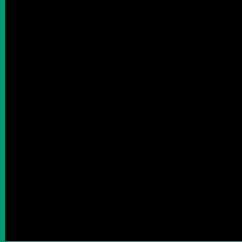
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7036, 0.2475, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 24.7036, 0.2475, 0.4111.



This preview shows how white text looks on a background with the Yxy color 24.7036, 0.2475, 0.4111.

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

24.7036, 0.2475, 0.4111

Protanopia

24.3188, 0.3536, 0.3768

Deuteranopia

24.4831, 0.3512, 0.3454



Tritanopia

24.7462, 0.2290, 0.3064

Trichromacy



Original Color

24.7036, 0.2475, 0.4111



Protanomaly

22.7471, 0.2919, 0.3929



Deuteranomaly

22.6847, 0.2894, 0.3699



Tritanomaly

24.4846, 0.2333, 0.3406

Monochromacy



Original Color

24.7036, 0.2475, 0.4111



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.4069, 0.2665, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7036, 0.2475, 0.4111 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, 155, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 116)  
}
```

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, 155, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 116) }
```

Border

The CSS property to change the border of an element to Yxy 24.7036, 0.2475, 0.4111 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, 155, 116) }
```

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

```
.border{ border-color:rgb(0, 155, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7036, 0.2475, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 116) }
```

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

```
.background{ background-color: rgb(0, 155,  
116) }
```

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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