

Converting Colors

$Yxy(21.7976, 0.1840, 0.4228)$

Have a look what the booklet for
Yxy(21.7976, 0.1840, 0.4228)
contains.

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Color

Yxy(24.3722, 0.2471, 0.4094)

Conversions

Conversions Part 1

Format	Color
Hex	009A74
RGB	0, 154, 116
RGB Percent	0%, 60%, 45%
CMY	0.9988, 0.3961, 0.5451
CMYK	1.00, 0.00, 0.25, 0.40
HSL	165°, 100%, 30%
HSV	165°, 100%, 60%
XYZ	14.7102, 24.3722, 20.4491
YIQ	103.6220, -79.5860, -44.4660

Conversions

Conversions Part 2

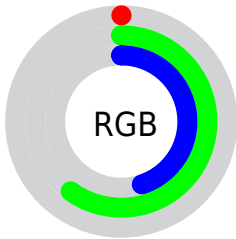
Format	Color
RYB	0, 88, 154
Decimal	39540
CIELab	56.46, -43.87, 10.39
CIELCh	56, 45.086, 166.671
Yxy	24.3722, 0.2471, 0.4094
Android (android.graphics.Color)	4278229620 (0xFF009A74)
YUV	103.6220, 6.1024, -90.8765
Hunter-Lab	49.3682, -33.2068, 9.9989

Details

The Yxy color **24.3722, 0.2471, 0.4094** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.0183, 0.5899, 0.3026**, and the grayscale version is **13.7611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4543, 0.2615, 0.3903**, and **9.9201, 0.2542, 0.4352** is the 20% darker color. If you saturate the color by 10%, you get **24.3695, 0.2471, 0.4096**, and if you desaturate by 10%, it is **24.5692, 0.2468, 0.4004**.

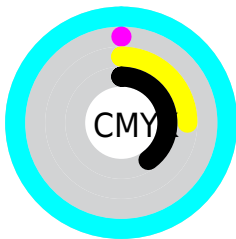
Distribution



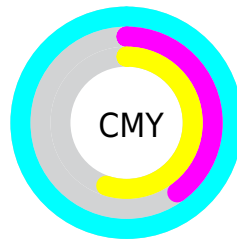
- Red (0%)
- Green (60%)
- Blue (45%)



- Red (0%)
- Yellow (35%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3722, 0.2471, 0.4094 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 24.3722, 0.2471, 0.4094 by changing the saturation by 10% instead.


 24.3722, 0.2471,
0.4094


 24.3722, 0.2471,
0.4094


274.6968, 0.2841,
0.3630


 15.6099, 0.2362,
0.4237


 50.6369, 0.2617,
0.3907

 9.2486, 0.2209,
0.4439


 68.9081, 0.2669,
0.3843


 4.9037, 0.1984,
0.4750

 91.1178, 0.2711,
0.3791


 2.1909, 0.1596,
0.5292

 117.6504, 0.2746,
0.3748

 0.7150, 0.0000,
0.9324

 148.8901, 0.2775,
0.3711

 0.0000, 0.0000,
0.0000

 185.2215, 0.2800,

0.3680

227.0290, 0.2822,
0.3653

■ 24.3722, 0.2471,
0.4094

■ 24.3722, 0.2471,
0.4094

■ 24.3695, 0.2471,
0.4096

■ 24.5692, 0.2468,
0.4004

■ 24.8486, 0.2479,
0.3914

■ 25.2461, 0.2508,
0.3823

■ 25.7761, 0.2557,
0.3735

■ 26.4509, 0.2623,
0.3648

■ 27.2814, 0.2704,
0.3566

■ 28.2773, 0.2798,
0.3488

■ 29.4479, 0.2902,
0.3416

■ 30.8012, 0.3013,
0.3349

Harmonies

Analogous

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



24.3722, 0.3177, 0.4662



24.3722, 0.2471, 0.4094



24.3722, 0.1980, 0.3256

Triad

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



24.3722, 0.2471, 0.4094



24.3722, 0.2271, 0.2115



24.3722, 0.4676, 0.3706

Complementary

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



24.3722, 0.2471, 0.4094



7.0183, 0.5899, 0.3026

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.



24.3722, 0.4400, 0.3138



24.3722, 0.2471, 0.4094



24.3722, 0.2917, 0.2274

Square

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



24.3722, 0.2471, 0.4094



24.3722, 0.1889, 0.2200



24.3722, 0.3716, 0.2636



24.3722, 0.4470, 0.4263

Rectangle

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



24.3722, 0.2471, 0.4094



24.3722, 0.1819, 0.2768



24.3722, 0.3716, 0.2636



24.3722, 0.4639, 0.3514

Sweetspot

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



24.3732, 0.2471, 0.4094



51.2142, 0.2790, 0.3494



23.5371, 0.3110, 0.5911



11.4250, 0.2752, 0.3524



78.7412, 0.3127, 0.3290



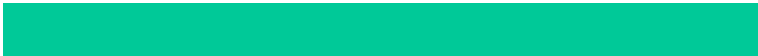
13.2868, 0.3127, 0.3290

Same Dimension

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



24.3732, 0.2471, 0.4094



44.2385, 0.2476, 0.4113



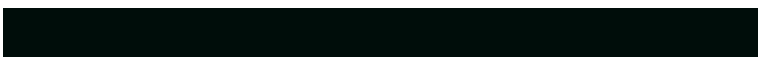
14.7276, 0.2021, 0.2474



7.0004, 0.3020, 0.3346



19.8610, 0.2469, 0.4089



0.3025, 0.2359, 0.3691

Inverse Universe

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



7.0183, 0.5899, 0.3026



12.7087, 0.5952, 0.3053



8.3035, 0.6049, 0.3576



6.2465, 0.3246, 0.3235



5.7167, 0.5886, 0.3016



0.0906, 0.4870, 0.2457

Previews

White Background



This preview shows how the Yxy color 24.3722, 0.2471, 0.4094 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 24.3722, 0.2471, 0.4094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

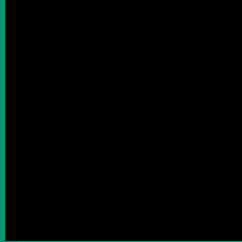
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3722, 0.2471, 0.4094

Background



This preview shows how black text looks on a background with the Yxy color 24.3722, 0.2471, 0.4094.



This preview shows how white text looks on a background with the Yxy color 24.3722, 0.2471, 0.4094.

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

24.3722, 0.2471, 0.4094

Protanopia

23.9514, 0.3527, 0.3754

Deuteranopia

24.1180, 0.3503, 0.3439



Tritanopia

24.3708, 0.2287, 0.3063

Trichromacy



Original Color

24.3722, 0.2471, 0.4094



Protanomaly

22.3997, 0.2909, 0.3913



Deuteranomaly

22.3385, 0.2883, 0.3682



Tritanomaly

24.1176, 0.2331, 0.3407

Monochromacy



Original Color

24.3722, 0.2471, 0.4094



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.1600, 0.2662, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3722, 0.2471, 0.4094 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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, 154, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 116) }
```

Border

The CSS property to change the border of an element to Yxy 24.3722, 0.2471, 0.4094 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, 116) }
```

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

```
.border{ border-color:rgb(0, 154, 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, 154, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3722, 0.2471, 0.4094 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, 116) }
```

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

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