

Converting Colors

$Yxy(23.2101, 0.2455, 0.4038)$

Have a look what the booklet for
Yxy(23.2101, 0.2455, 0.4038)
contains.

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Color

Yxy(23.0736, 0.2451, 0.4022)

Conversions

Conversions Part 1

Format	Color
Hex	009674
RGB	0, 150, 116
RGB Percent	0%, 59%, 45%
CMY	0.9989, 0.4118, 0.5451
CMYK	1.00, 0.00, 0.23, 0.41
HSL	166°, 100%, 29%
HSV	166°, 100%, 59%
XYZ	14.0610, 23.0736, 20.2339
YIQ	101.2740, -78.4860, -42.3740

Conversions

Conversions Part 2

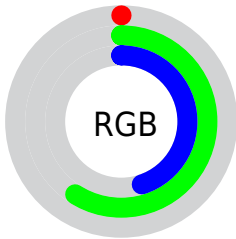
Format	Color
RYB	0, 85, 150
Decimal	38516
CIELab	55.15, -42.23, 8.54
CIELCh	55, 43.086, 168.570
Yxy	23.0736, 0.2451, 0.4022
Android (android.graphics.Color)	4278228596 (0xFF009674)
YUV	101.2740, 7.2599, -88.8173
Hunter-Lab	48.0350, -31.8099, 8.6497

Details

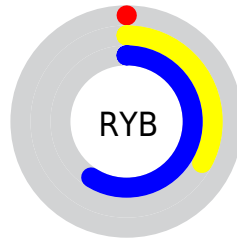
The Yxy color **23.0736, 0.2451, 0.4022** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.6072, 0.5956, 0.3057**, and the grayscale version is **13.1074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4682, 0.2601, 0.3850**, and **9.1527, 0.2515, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **23.0711, 0.2451, 0.4024**, and if you desaturate by 10%, it is **23.2574, 0.2450, 0.3940**.

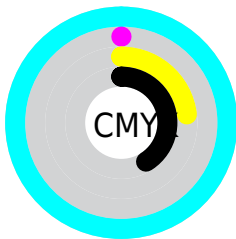
Distribution



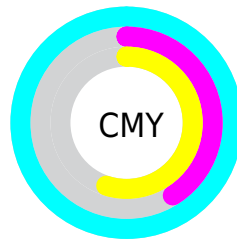
- Red (0%)
- Green (59%)
- Blue (45%)



- Red (0%)
- Yellow (33%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0736, 0.2451, 0.4022 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 23.0736, 0.2451, 0.4022 by changing the saturation by 10% instead.


 23.0736, 0.2451,
0.4022


 23.0736, 0.2451,
0.4022


268.1028, 0.2834,
0.3599


 14.6479, 0.2338,
0.4153


 48.5142, 0.2602,
0.3851


 8.5726, 0.2179,
0.4339


 66.2978, 0.2655,
0.3793


 4.4635, 0.1945,
0.4626

 87.9694, 0.2699,
0.3745

 1.9361, 0.1500,
0.5159

 113.9136, 0.2735,
0.3705

 0.5699, 0.0000,
0.9602

 144.5146, 0.2765,
0.3672

 0.0000, 0.0000,
0.0000

 180.1569, 0.2791,

0.3644

221.2248, 0.2814,
0.3620

■ 23.0736, 0.2451,
0.4022

■ 23.0736, 0.2451,
0.4022

■ 23.0711, 0.2451,
0.4024

■ 23.2574, 0.2450,
0.3940

■ 23.5174, 0.2463,
0.3858

■ 23.8882, 0.2495,
0.3776

■ 24.3830, 0.2545,
0.3695

■ 25.0135, 0.2612,
0.3617

■ 25.7899, 0.2695,
0.3542

■ 26.7213, 0.2791,
0.3471

■ 27.8161, 0.2897,
0.3405

■ 29.0823, 0.3011,
0.3344

Harmonies

Analogous

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



23.0736, 0.3132, 0.4602



23.0736, 0.2451, 0.4022



23.0736, 0.1987, 0.3210

Triad

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



23.0736, 0.2451, 0.4022



23.0736, 0.2325, 0.2145



23.0736, 0.4637, 0.3737

Complementary

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



23.0736, 0.2451, 0.4022



6.6072, 0.5956, 0.3057

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.



23.0736, 0.4396, 0.3179



23.0736, 0.2451, 0.4022



23.0736, 0.2970, 0.2314

Square

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



23.0736, 0.2451, 0.4022



23.0736, 0.1933, 0.2213



23.0736, 0.3750, 0.2679



23.0736, 0.4412, 0.4275

Rectangle

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



23.0736, 0.2451, 0.4022



23.0736, 0.1840, 0.2745



23.0736, 0.3750, 0.2679



23.0736, 0.4611, 0.3549

Sweetspot

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



23.0745, 0.2451, 0.4022



47.0200, 0.2783, 0.3476



22.1736, 0.3099, 0.5920



10.2765, 0.2746, 0.3503



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.0745, 0.2451, 0.4022



40.6897, 0.2455, 0.4039



13.3718, 0.2005, 0.2417



6.5399, 0.3018, 0.3341



19.1405, 0.2449, 0.4018



0.2387, 0.2343, 0.3633

Inverse Universe

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



6.6072, 0.5956, 0.3057



11.6249, 0.6007, 0.3083



8.0163, 0.6008, 0.3609



5.8357, 0.3249, 0.3240



5.4781, 0.5945, 0.3048



0.0709, 0.4941, 0.2496

Previews

White Background



This preview shows how the Yxy color 23.0736, 0.2451, 0.4022 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 23.0736, 0.2451, 0.4022 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 23.0736, 0.2451, 0.4022

Background



This preview shows how black text looks on a background with the Yxy color 23.0736, 0.2451, 0.4022.



This preview shows how white text looks on a background with the Yxy color 23.0736, 0.2451, 0.4022.

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

23.0736, 0.2451, 0.4022

Protanopia

22.7831, 0.3489, 0.3712

Deuteranopia

22.8551, 0.3451, 0.3392



Tritanopia

23.2554, 0.2289, 0.3077

Trichromacy



Original Color

23.0736, 0.2451, 0.4022



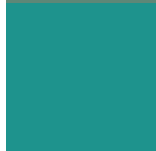
Protanomaly

21.4266, 0.2887, 0.3861



Deuteranomaly

21.0395, 0.2850, 0.3610



Tritanomaly

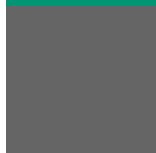
23.0665, 0.2332, 0.3409

Monochromacy



Original Color

23.0736, 0.2451, 0.4022



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

15.3242, 0.2653, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0736, 0.2451, 0.4022 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, 150, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 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, 150, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 116) }
```

Border

The CSS property to change the border of an element to Yxy 23.0736, 0.2451, 0.4022 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, 150, 116) }
```

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

```
.border{ border-color:rgb(0, 150, 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, 150, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0736, 0.2451, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 116) }
```

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

```
.background{ background-color: rgb(0, 150,  
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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