

Converting Colors

$Y_{xy}(21.9120, 0.2285, 0.4561)$

Have a look what the booklet for
Yxy(21.9120, 0.2285, 0.4561)
contains.

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Color

Yxy(23.0151, 0.2573, 0.4462)

Conversions

Conversions Part 1

Format	Color
Hex	009762
RGB	0, 151, 98
RGB Percent	0%, 59%, 38%
CMY	0.9995, 0.4078, 0.6158
CMYK	1.00, 0.00, 0.35, 0.41
HSL	159°, 100%, 30%
HSV	159°, 100%, 59%
XYZ	13.2716, 23.0151, 15.2935
YIQ	99.8090, -72.9830, -48.4950

Conversions

Conversions Part 2

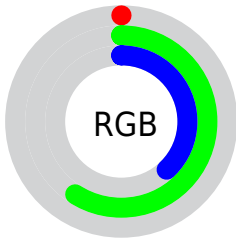
Format	Color
RYB	0, 92, 151
Decimal	38754
CIELab	55.09, -47.02, 18.60
CIELCh	55, 50.563, 158.414
Yxy	23.0151, 0.2573, 0.4462
Android (android.graphics.Color)	4278228834 (0xFF009762)
YUV	99.8090, -0.8918, -87.5325
Hunter-Lab	47.9741, -34.5742, 14.6809

Details

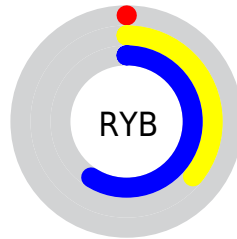
The Yxy color **23.0151, 0.2573, 0.4462** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.8405, 0.5530, 0.2821**, and the grayscale version is **12.7186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2910, 0.2708, 0.4173**, and **9.1627, 0.2683, 0.4859** is the 20% darker color. If you saturate the color by 10%, you get **23.0144, 0.2573, 0.4463**, and if you desaturate by 10%, it is **23.2222, 0.2561, 0.4331**.

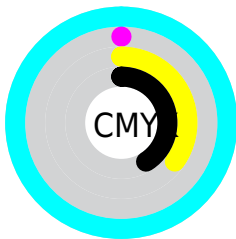
Distribution



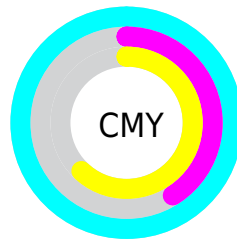
- Red (0%)
- Green (59%)
- Blue (38%)



- Red (0%)
- Yellow (36%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0151, 0.2573, 0.4462 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 23.0151, 0.2573, 0.4462 by changing the saturation by 10% instead.


 23.0151, 0.2573,
0.4462


 23.0151, 0.2573,
0.4462


267.8025, 0.2901,
0.3767


 14.6047, 0.2468,
0.4685


 48.4181, 0.2708,
0.4177

 8.5424, 0.2316,
0.5008


 66.1795, 0.2753,
0.4080


 4.4439, 0.2077,
0.5515

 87.8266, 0.2790,
0.4002

 1.9249, 0.1526,
0.6677

 113.7439, 0.2820,
0.3939

 0.5633, 0.0000,
1.0000

 144.3158, 0.2845,
0.3885

 0.0000, 0.0000,
0.0000

 179.9265, 0.2867,

0.3840

220.9607, 0.2885,
0.3801

■ 23.0151, 0.2573,
0.4462

■ 23.0151, 0.2573,
0.4462

■ 23.0144, 0.2573,
0.4463

■ 23.2222, 0.2561,
0.4331

■ 23.5100, 0.2563,
0.4199

■ 23.9139, 0.2584,
0.4066

■ 24.4477, 0.2624,
0.3935

■ 25.1231, 0.2681,
0.3808

■ 25.9508, 0.2753,
0.3688

■ 26.9400, 0.2836,
0.3575

■ 28.0995, 0.2928,
0.3471

■ 29.4372, 0.3026,
0.3376

Harmonies

Analogous

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



23.0151, 0.3394, 0.4939



23.0151, 0.2573, 0.4462



23.0151, 0.1950, 0.3503

Triad

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



23.0151, 0.2573, 0.4462



23.0151, 0.2017, 0.1976



23.0151, 0.4860, 0.3550

Complementary

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



23.0151, 0.2573, 0.4462



6.8405, 0.5530, 0.2821

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.



23.0151, 0.4401, 0.2942



23.0151, 0.2573, 0.4462



23.0151, 0.2656, 0.2085

Square

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



23.0151, 0.2573, 0.4462



23.0151, 0.1686, 0.2141



23.0151, 0.3538, 0.2426



23.0151, 0.4747, 0.4185

Rectangle

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



23.0151, 0.2573, 0.4462



23.0151, 0.1717, 0.2892



23.0151, 0.3538, 0.2426



23.0151, 0.4769, 0.3342

Sweetspot

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



23.0160, 0.2573, 0.4462



48.1148, 0.2830, 0.3583



22.9588, 0.3216, 0.5828



10.7734, 0.2797, 0.3626



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.0160, 0.2573, 0.4462



41.1795, 0.2580, 0.4488



18.4368, 0.2131, 0.2870



6.9897, 0.3033, 0.3369



19.5841, 0.2571, 0.4455



0.2996, 0.2413, 0.3885

Inverse Universe

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



6.8405, 0.5530, 0.2821



12.2124, 0.5582, 0.2849



7.0886, 0.6261, 0.3409



6.2567, 0.3231, 0.3212



5.8213, 0.5516, 0.2812



0.0935, 0.4479, 0.2241

Previews

White Background



This preview shows how the Yxy color 23.0151, 0.2573, 0.4462 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 23.0151, 0.2573, 0.4462 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 23.0151, 0.2573, 0.4462

Background



This preview shows how black text looks on a background with the Yxy color 23.0151, 0.2573, 0.4462.



This preview shows how white text looks on a background with the Yxy color 23.0151, 0.2573, 0.4462.

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

23.0151, 0.2573, 0.4462

Protanopia

22.7216, 0.3719, 0.4001

Deuteranopia

22.6935, 0.3722, 0.3657



Tritanopia

23.1037, 0.2309, 0.3059

Trichromacy



Original Color

23.0151, 0.2573, 0.4462



Protanomaly

21.1409, 0.3053, 0.4224



Deuteranomaly

20.8286, 0.3042, 0.3962



Tritanomaly

22.9568, 0.2381, 0.3534

Monochromacy



Original Color

23.0151, 0.2573, 0.4462



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

15.1845, 0.2720, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0151, 0.2573, 0.4462 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, 151, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 98)  
}
```

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, 151, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 98) }
```

Border

The CSS property to change the border of an element to Yxy 23.0151, 0.2573, 0.4462 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, 151, 98) }
```

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

```
.border{ border-color:rgb(0, 151, 98) }
```

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

Here you see how a box with a 4 pixel rgb(0, 151, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 151, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.0151, 0.2573, 0.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 98) }
```

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

```
.background{ background-color: rgb(0, 151,  
98) }
```

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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