

Converting Colors

$Y_{xy}(22.9299, 0.2483, 0.4283)$

Have a look what the booklet for
Yxy(22.9299, 0.2483, 0.4283)
contains.

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Color

Yxy(23.1738, 0.2520, 0.4273)

Conversions

Conversions Part 1

Format	Color
Hex	00976A
RGB	0, 151, 106
RGB Percent	0%, 59%, 42%
CMY	1.0000, 0.4078, 0.5842
CMYK	1.00, 0.00, 0.30, 0.41
HSL	162°, 100%, 30%
HSV	162°, 100%, 59%
XYZ	13.6667, 23.1738, 17.3926
YIQ	100.7210, -75.5510, -46.0070

Conversions

Conversions Part 2

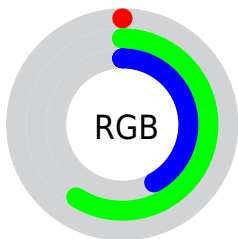
Format	Color
RYB	0, 89, 151
Decimal	38762
CIELab	55.25, -45.17, 14.33
CIELCh	55, 47.388, 162.399
Yxy	23.1738, 0.2520, 0.4273
Android (android.graphics.Color)	4278228842 (0xFF00976A)
YUV	100.7210, 2.6025, -88.3323
Hunter-Lab	48.1392, -33.5673, 12.2761

Details

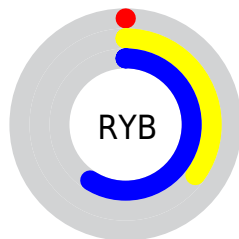
The Yxy color **23.1738, 0.2520, 0.4273** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.7692, 0.5731, 0.2931**, and the grayscale version is **12.9473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5554, 0.2663, 0.4042**, and **9.2394, 0.2608, 0.4589** is the 20% darker color. If you saturate the color by 10%, you get **23.1760, 0.2520, 0.4273**, and if you desaturate by 10%, it is **23.3745, 0.2513, 0.4163**.

Distribution



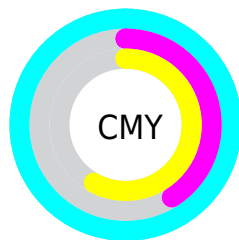
- Red (0%)
- Green (59%)
- Blue (42%)



- Red (0%)
- Yellow (35%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1738, 0.2520, 0.4273 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 23.1738, 0.2520, 0.4273 by changing the saturation by 10% instead.


 23.1738, 0.2520,
0.4273

 23.1738, 0.2520,
0.4273


268.6164, 0.2871,
0.3696


 14.7219, 0.2412,
0.4456


 48.6785, 0.2661,
0.4038


 8.6244, 0.2258,
0.4719


 66.5002, 0.2710,
0.3957


 4.4970, 0.2024,
0.5131

 88.2138, 0.2750,
0.3893

 1.9553, 0.1524,
0.5936

 114.2039, 0.2782,
0.3839

 0.5813, 0.0000,
1.0000

 144.8548, 0.2810,
0.3795

 0.0000, 0.0000,
0.0000

 180.5510, 0.2833,

0.3757

221.6767, 0.2854,
0.3724

■ 23.1738, 0.2520,
0.4273

■ 23.1738, 0.2520,
0.4273

■ 23.1760, 0.2520,
0.4273

■ 23.3745, 0.2513,
0.4163

■ 23.6523, 0.2519,
0.4052

■ 24.0441, 0.2545,
0.3941

■ 24.5639, 0.2589,
0.3832

■ 25.2233, 0.2650,
0.3727

■ 26.0329, 0.2727,
0.3626

■ 27.0019, 0.2815,
0.3531

■ 28.1392, 0.2913,
0.3443

■ 29.4525, 0.3018,
0.3363

Harmonies

Analogous

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



23.1738, 0.3284, 0.4803



23.1738, 0.2520, 0.4273



23.1738, 0.1964, 0.3373

Triad

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



23.1738, 0.2520, 0.4273



23.1738, 0.2144, 0.2045



23.1738, 0.4769, 0.3630

Complementary

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



23.1738, 0.2520, 0.4273



6.7692, 0.5731, 0.2931

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.



23.1738, 0.4404, 0.3041



23.1738, 0.2520, 0.4273



23.1738, 0.2787, 0.2179

Square

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



23.1738, 0.2520, 0.4273



23.1738, 0.1787, 0.2170



23.1738, 0.3631, 0.2531



23.1738, 0.4608, 0.4228

Rectangle

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



23.1738, 0.2520, 0.4273



23.1738, 0.1767, 0.2826



23.1738, 0.3631, 0.2531



23.1738, 0.4707, 0.3429

Sweetspot

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



23.1760, 0.2520, 0.4273



48.2406, 0.2810, 0.3537



22.6998, 0.3151, 0.5880



10.8050, 0.2774, 0.3573



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.



23.1760, 0.2520, 0.4273



41.4686, 0.2526, 0.4294



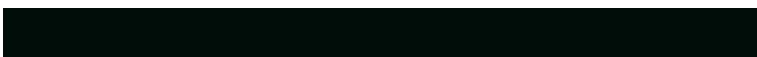
15.8619, 0.2068, 0.2646



6.9952, 0.3026, 0.3357



19.7200, 0.2518, 0.4266



0.3011, 0.2384, 0.3783

Inverse Universe

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



6.7692, 0.5731, 0.2931



12.0933, 0.5780, 0.2958



7.5186, 0.6153, 0.3496



6.2515, 0.3239, 0.3224



5.7628, 0.5715, 0.2922



0.0920, 0.4668, 0.2345

Previews

White Background



This preview shows how the Yxy color 23.1738, 0.2520, 0.4273 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 23.1738, 0.2520, 0.4273 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 23.1738, 0.2520, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 23.1738, 0.2520, 0.4273.



This preview shows how white text looks on a background with the Yxy color 23.1738, 0.2520, 0.4273.

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

23.1738, 0.2520, 0.4273

Protanopia

22.7584, 0.3628, 0.3884

Deuteranopia

22.9058, 0.3608, 0.3559



Tritanopia

23.3549, 0.2305, 0.3078

Trichromacy



Original Color

23.1738, 0.2520, 0.4273



Protanomaly

21.2707, 0.2989, 0.4074



Deuteranomaly

21.1992, 0.2964, 0.3835



Tritanomaly

23.0095, 0.2356, 0.3471

Monochromacy



Original Color

23.1738, 0.2520, 0.4273



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

15.2629, 0.2682, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1738, 0.2520, 0.4273 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 106) }
```

Border

The CSS property to change the border of an element to Yxy 23.1738, 0.2520, 0.4273 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, 106) }
```

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

```
.border{ border-color:rgb(0, 151, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1738, 0.2520, 0.4273 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, 106) }
```

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

```
.background{ background-color: rgb(0, 151,  
106) }
```

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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