

Converting Colors

$Yxy(23.0489, 0.2294, 0.3903)$

Have a look what the booklet for
Yxy(23.0489, 0.2294, 0.3903)
contains.

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Color

Yxy(23.5633, 0.2411, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	00977B
RGB	0, 151, 123
RGB Percent	0%, 59%, 48%
CMY	1.0000, 0.4078, 0.5177
CMYK	1.00, 0.00, 0.19, 0.41
HSL	169°, 100%, 30%
HSV	169°, 100%, 59%
XYZ	14.6383, 23.5633, 22.5129
YIQ	102.6590, -81.0080, -40.7200

Conversions

Conversions Part 2

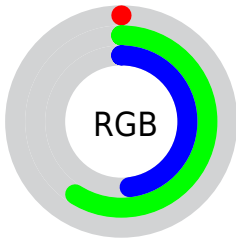
Format	Color
RYB	0, 83, 151
Decimal	38779
CIELab	55.65, -40.82, 5.27
CIELCh	56, 41.154, 172.648
Yxy	23.5633, 0.2411, 0.3881
Android (android.graphics.Color)	4278228859 (0xFF00977B)
YUV	102.6590, 10.0281, -90.0319
Hunter-Lab	48.5420, -31.1204, 6.4818

Details

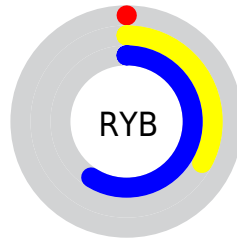
The Yxy color **23.5633, 0.2411, 0.3881** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.6642, 0.6080, 0.3123**, and the grayscale version is **13.4593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2640, 0.2570, 0.3752**, and **9.4181, 0.2465, 0.4075** is the 20% darker color. If you saturate the color by 10%, you get **23.5663, 0.2411, 0.3881**, and if you desaturate by 10%, it is **23.7399, 0.2414, 0.3816**.

Distribution



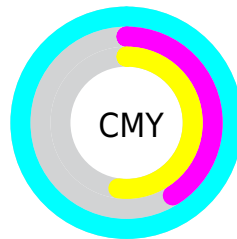
- Red (0%)
- Green (59%)
- Blue (48%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5633, 0.2411, 0.3881 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 23.5633, 0.2411, 0.3881 by changing the saturation by 10% instead.


 23.5633, 0.2411,
0.3881


 23.5633, 0.2411,
0.3881


270.6052, 0.2811,
0.3544


 15.0100, 0.2295,
0.3982


 49.3166, 0.2568,
0.3747

 8.8264, 0.2135,
0.4125


 67.2854, 0.2623,
0.3700


 4.6281, 0.1902,
0.4339

 89.1615, 0.2668,
0.3662

 2.0308, 0.1508,
0.4710

 115.3293, 0.2706,
0.3631

 0.6253, 0.0000,
0.6667

 146.1732, 0.2738,
0.3604

 0.0000, 0.0000,
0.0000

 182.0775, 0.2766,

0.3581

223.4267, 0.2790,
0.3562

■ 23.5633, 0.2411,
0.3881

■ 23.5633, 0.2411,
0.3881

■ 23.5663, 0.2411,
0.3881

■ 23.7399, 0.2414,
0.3816

■ 23.9897, 0.2430,
0.3750

■ 24.3507, 0.2464,
0.3684

■ 24.8365, 0.2517,
0.3619

■ 25.4589, 0.2588,
0.3556

■ 26.2282, 0.2674,
0.3496

■ 27.1538, 0.2774,
0.3438

■ 28.2444, 0.2884,
0.3385

■ 29.5077, 0.3003,
0.3335

Harmonies

Analogous

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



23.5633, 0.3043, 0.4480



23.5633, 0.2411, 0.3881



23.5633, 0.2000, 0.3120

Triad

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



23.5633, 0.2411, 0.3881



23.5633, 0.2434, 0.2204



23.5633, 0.4558, 0.3798

Complementary

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



23.5633, 0.2411, 0.3881



6.6642, 0.6080, 0.3123

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.



23.5633, 0.4388, 0.3260



23.5633, 0.2411, 0.3881



23.5633, 0.3078, 0.2394

Square

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



23.5633, 0.2411, 0.3881



23.5633, 0.2021, 0.2239



23.5633, 0.3817, 0.2767



23.5633, 0.4297, 0.4298

Rectangle

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



23.5633, 0.2411, 0.3881



23.5633, 0.1884, 0.2701



23.5633, 0.3817, 0.2767



23.5633, 0.4553, 0.3618

Sweetspot

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



23.5663, 0.2411, 0.3881



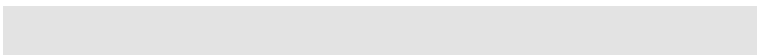
48.5146, 0.2767, 0.3442



22.4154, 0.3076, 0.5939



10.8743, 0.2727, 0.3464



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.



23.5663, 0.2411, 0.3881



42.1733, 0.2415, 0.3894



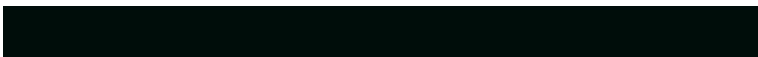
12.4824, 0.1972, 0.2298



7.0069, 0.3012, 0.3332



20.0495, 0.2410, 0.3877



0.3043, 0.2330, 0.3586

Inverse Universe

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



6.6642, 0.6080, 0.3123



11.9128, 0.6120, 0.3145



8.4802, 0.5935, 0.3670



6.2405, 0.3256, 0.3249



5.6719, 0.6066, 0.3115



0.0889, 0.5156, 0.2614

Previews

White Background



This preview shows how the Yxy color 23.5633, 0.2411, 0.3881 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 23.5633, 0.2411, 0.3881 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 23.5633, 0.2411, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 23.5633, 0.2411, 0.3881.



This preview shows how white text looks on a background with the Yxy color 23.5633, 0.2411, 0.3881.

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

23.5633, 0.2411, 0.3881

Protanopia

23.1838, 0.3418, 0.3622

Deuteranopia

23.1999, 0.3354, 0.3291



Tritanopia

23.5843, 0.2274, 0.3059

Trichromacy



Original Color

23.5633, 0.2411, 0.3881



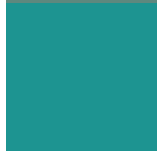
Protanomaly

21.8243, 0.2817, 0.3733



Deuteranomaly

21.4944, 0.2787, 0.3486



Tritanomaly

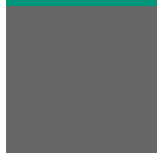
23.4854, 0.2310, 0.3347

Monochromacy



Original Color

23.5633, 0.2411, 0.3881



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.7170, 0.2637, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5633, 0.2411, 0.3881 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 123) }
```

Border

The CSS property to change the border of an element to Yxy 23.5633, 0.2411, 0.3881 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, 123) }
```

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

```
.border{ border-color:rgb(0, 151, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5633, 0.2411, 0.3881 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, 123) }
```

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

```
.background{ background-color: rgb(0, 151,  
123) }
```

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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