

Converting Colors

$Yxy(23.2887, 0.2434, 0.3961)$

Have a look what the booklet for
Yxy(23.2887, 0.2434, 0.3961)
contains.

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Color

Yxy(23.1446, 0.2431, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	009677
RGB	0, 150, 119
RGB Percent	0%, 59%, 47%
CMY	1.0000, 0.4117, 0.5333
CMYK	1.00, 0.00, 0.21, 0.41
HSL	168°, 100%, 29%
HSV	168°, 100%, 59%
XYZ	14.2334, 23.1446, 21.1715
YIQ	101.6160, -79.4490, -41.4410

Conversions

Conversions Part 2

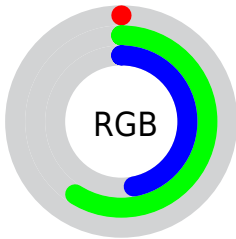
Format	Color
RYB	0, 84, 150
Decimal	38519
CIELab	55.22, -41.47, 6.93
CIELCh	55, 42.044, 170.516
Yxy	23.1446, 0.2431, 0.3953
Android (android.graphics.Color)	4278228599 (0xFF009677)
YUV	101.6160, 8.5703, -89.1172
Hunter-Lab	48.1088, -31.3798, 7.5842

Details

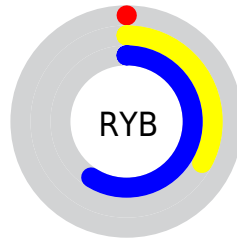
The Yxy color **23.1446, 0.2431, 0.3953** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.5838, 0.6021, 0.3091**, and the grayscale version is **13.1760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5814, 0.2584, 0.3802**, and **9.1903, 0.2486, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **23.1475, 0.2431, 0.3953**, and if you desaturate by 10%, it is **23.3248, 0.2432, 0.3879**.

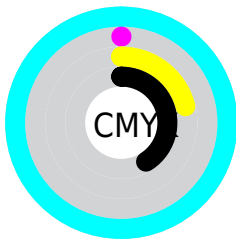
Distribution



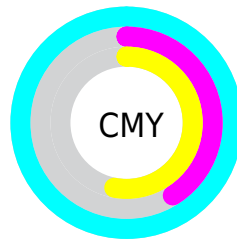
- Red (0%)
- Green (59%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1446, 0.2431, 0.3953 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 23.1446, 0.2431, 0.3953 by changing the saturation by 10% instead.


 23.1446, 0.2431,
0.3953

 23.1446, 0.2431,
0.3953


268.4668, 0.2823,
0.3572


 14.7003, 0.2316,
0.4069


 48.6307, 0.2585,
0.3800


 8.6093, 0.2156,
0.4235


 66.4412, 0.2640,
0.3747


 4.4873, 0.1921,
0.4487

 88.1426, 0.2684,
0.3704

 1.9497, 0.1494,
0.4944

 114.1194, 0.2721,
0.3669

 0.5780, 0.0000,
0.7994

 144.7557, 0.2752,
0.3639

 0.0000, 0.0000,
0.0000

 180.4362, 0.2779,

0.3613

221.5451, 0.2802,
0.3591

■ 23.1446, 0.2431,
0.3953

■ 23.1446, 0.2431,
0.3953

■ 23.1475, 0.2431,
0.3953

■ 23.3248, 0.2432,
0.3879

■ 23.5774, 0.2446,
0.3805

■ 23.9400, 0.2479,
0.3731

■ 24.4259, 0.2531,
0.3659

■ 25.0469, 0.2600,
0.3588

■ 25.8130, 0.2684,
0.3520

■ 26.7334, 0.2782,
0.3456

■ 27.8167, 0.2890,
0.3396

■ 29.0707, 0.3006,
0.3340

Harmonies

Analogous

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



23.1446, 0.3089, 0.4543



23.1446, 0.2431, 0.3953



23.1446, 0.1993, 0.3165

Triad

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



23.1446, 0.2431, 0.3953



23.1446, 0.2377, 0.2173



23.1446, 0.4600, 0.3767

Complementary

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



23.1446, 0.2431, 0.3953



6.5838, 0.6021, 0.3091

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.



23.1446, 0.4394, 0.3218



23.1446, 0.2431, 0.3953



23.1446, 0.3023, 0.2352

Square

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



23.1446, 0.2431, 0.3953



23.1446, 0.1975, 0.2225



23.1446, 0.3784, 0.2722



23.1446, 0.4357, 0.4287

Rectangle

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



23.1446, 0.2431, 0.3953



23.1446, 0.1861, 0.2723



23.1446, 0.3784, 0.2722



23.1446, 0.4583, 0.3583

Sweetspot

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



23.1475, 0.2431, 0.3953



47.0689, 0.2776, 0.3459



22.1306, 0.3087, 0.5931



10.2885, 0.2737, 0.3483



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.



23.1475, 0.2431, 0.3953



40.8193, 0.2435, 0.3967



12.8235, 0.1988, 0.2357



6.5419, 0.3016, 0.3336



19.2003, 0.2430, 0.3948



0.2392, 0.2333, 0.3599

Inverse Universe

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



6.5838, 0.6021, 0.3091



11.5964, 0.6064, 0.3114



8.1766, 0.5974, 0.3639



5.8338, 0.3252, 0.3244



5.4638, 0.6004, 0.3081



0.0704, 0.5036, 0.2548

Previews

White Background



This preview shows how the Yxy color 23.1446, 0.2431, 0.3953 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 23.1446, 0.2431, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

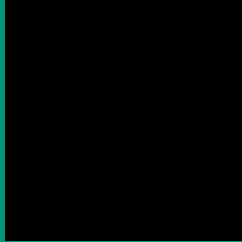
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1446, 0.2431, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 23.1446, 0.2431, 0.3953.

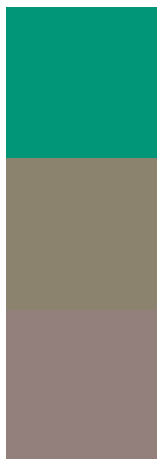


This preview shows how white text looks on a background with the Yxy color 23.1446, 0.2431, 0.3953.

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

23.1446, 0.2431, 0.3953

Protanopia

22.8474, 0.3455, 0.3658

Deuteranopia

22.8370, 0.3403, 0.3341



Tritanopia

23.2660, 0.2279, 0.3058

Trichromacy



Original Color

23.1446, 0.2431, 0.3953



Protanomaly

21.4439, 0.2851, 0.3799



Deuteranomaly

21.1128, 0.2822, 0.3548



Tritanomaly

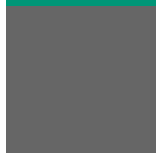
23.1118, 0.2317, 0.3368

Monochromacy



Original Color

23.1446, 0.2431, 0.3953



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.4002, 0.2644, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1446, 0.2431, 0.3953 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 119) }
```

Border

The CSS property to change the border of an element to Yxy 23.1446, 0.2431, 0.3953 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, 119) }
```

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

```
.border{ border-color:rgb(0, 150, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1446, 0.2431, 0.3953 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, 119) }
```

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

```
.background{ background-color: rgb(0, 150,  
119) }
```

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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