

Converting Colors

$Yxy(23.6564, 0.2389, 0.3656)$

Have a look what the booklet for
Yxy(23.6564, 0.2389, 0.3656)
contains.

Yxy(23.6853, 0.2390, 0.3658)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6853, 0.2390, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	199684
RGB	25, 150, 132
RGB Percent	10%, 59%, 52%
CMY	0.9014, 0.4118, 0.4823
CMYK	0.83, 0.00, 0.12, 0.41
HSL	171°, 71%, 34%
HSV	171°, 83%, 59%
XYZ	15.4751, 23.6853, 25.5889
YIQ	110.5730, -68.7220, -32.0980

Conversions

Conversions Part 2

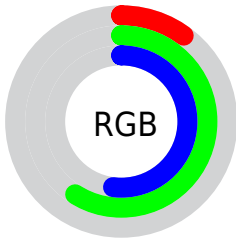
Format	Color
RYB	25, 92, 150
Decimal	1676932
CIELab	55.77, -36.33, 0.32
CIELCh	56, 36.336, 179.493
Yxy	23.6853, 0.2390, 0.3658
Android (android.graphics.Color)	4279867012 (0xFF199684)
YUV	110.5730, 10.5635, -75.0475
Hunter-Lab	48.6675, -28.4096, 2.8932

Details

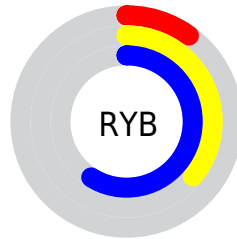
The Yxy color **23.6853, 0.2390, 0.3658** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.3606, 0.5630, 0.3100**, and the grayscale version is **15.7630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5983, 0.2549, 0.3581**, and **9.3599, 0.2375, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **23.4846, 0.2376, 0.3708**, and if you desaturate by 10%, it is **23.9915, 0.2422, 0.3608**.

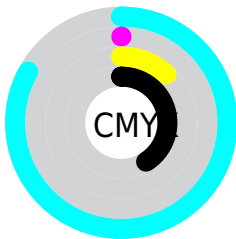
Distribution



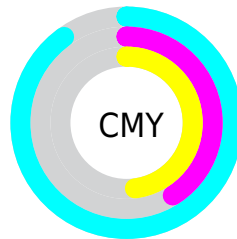
- Red (10%)
- Green (59%)
- Blue (52%)



- Red (10%)
- Yellow (36%)
- Blue (59%)



- Cyan (83%)
- Magenta (0%)
- Yellow (12%)
- Black (41%)





- Cyan (90%)
- Magenta (41%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6853, 0.2390, 0.3658 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 23.6853, 0.2390, 0.3658 by changing the saturation by 10% instead.


 23.6853, 0.2390,
0.3658


 23.6853, 0.2390,
0.3658


271.2256, 0.2797,
0.3455


 15.1003, 0.2274,
0.3716


 49.5162, 0.2548,
0.3579


 8.8898, 0.2117,
0.3795


 67.5309, 0.2604,
0.3551

 4.6694, 0.1890,
0.3910

 89.4576, 0.2650,
0.3528

 2.0546, 0.1537,
0.4089

 115.6808, 0.2689,
0.3508

 0.6389, 0.0000,
0.4869

 146.5847, 0.2722,
0.3492

 0.0000, 0.0000,
0.0000

 182.5539, 0.2750,

0.3478

223.9728, 0.2775,
0.3466

■ 23.6853, 0.2390,
0.3658

■ 23.6853, 0.2390,
0.3658

■ 23.4846, 0.2376,
0.3708

■ 23.9915, 0.2422,
0.3608

■ 23.3802, 0.2373,
0.3741

■ 24.4148, 0.2472,
0.3559

■ 24.9682, 0.2540,
0.3510

■ 25.6623, 0.2624,
0.3463

■ 26.5066, 0.2724,
0.3418

■ 27.5096, 0.2835,
0.3376

■ 28.6795, 0.2957,
0.3337

■ 30.0236, 0.3085,
0.3301

■ 31.5490, 0.3217,
0.3268

Harmonies

Analogous

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



23.6853, 0.2923, 0.4235



23.6853, 0.2390, 0.3658



23.6853, 0.2071, 0.3012

Triad

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



23.6853, 0.2390, 0.3658



23.6853, 0.2628, 0.2336



23.6853, 0.4375, 0.3869

Complementary

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



23.6853, 0.2390, 0.3658



7.3606, 0.5630, 0.3100

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.



23.6853, 0.4308, 0.3385



23.6853, 0.2390, 0.3658



23.6853, 0.3237, 0.2550

Square

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



23.6853, 0.2390, 0.3658



23.6853, 0.2201, 0.2323



23.6853, 0.3874, 0.2921



23.6853, 0.4079, 0.4279

Rectangle

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



23.6853, 0.2390, 0.3658



23.6853, 0.2002, 0.2672



23.6853, 0.3874, 0.2921



23.6853, 0.4397, 0.3710

Sweetspot

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



23.6862, 0.2390, 0.3658



48.1263, 0.2809, 0.3385



22.4150, 0.3095, 0.5726



10.5390, 0.2774, 0.3399



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.



23.6862, 0.2390, 0.3658



41.2434, 0.2375, 0.3751



12.7802, 0.2032, 0.2340



6.5480, 0.3008, 0.3322



19.3957, 0.2372, 0.3738



0.2406, 0.2305, 0.3497

Inverse Universe

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



7.3606, 0.5630, 0.3100



11.5263, 0.6212, 0.3196



10.7915, 0.5332, 0.3869



5.8282, 0.3261, 0.3258



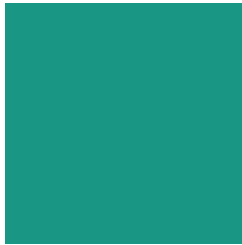
5.4276, 0.6163, 0.3169



0.0690, 0.5362, 0.2727

Previews

White Background



This preview shows how the Yxy color 23.6853, 0.2390, 0.3658 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 23.6853, 0.2390, 0.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

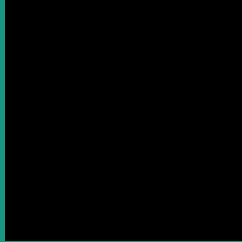
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6853, 0.2390, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 23.6853, 0.2390, 0.3658.

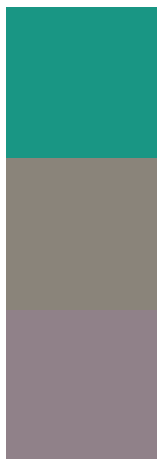


This preview shows how white text looks on a background with the Yxy color 23.6853, 0.2390, 0.3658.

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

23.6853, 0.2390, 0.3658

Protanopia

23.3109, 0.3306, 0.3464

Deuteranopia

23.4359, 0.3215, 0.3157



Tritanopia

23.6072, 0.2278, 0.3059

Trichromacy



Original Color

23.6853, 0.2390, 0.3658



Protanomaly

22.5130, 0.2820, 0.3541



Deuteranomaly

22.4073, 0.2774, 0.3327



Tritanomaly

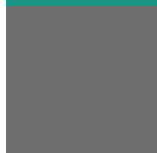
23.4494, 0.2308, 0.3248

Monochromacy



Original Color

23.6853, 0.2390, 0.3658



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

17.7046, 0.2697, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6853, 0.2390, 0.3658 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(25, 150, 132)` looks like.

```
.text, #text, p{  
  color:rgb(25, 150, 132)  
}
```

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(25, 150, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 150, 132) }
```

Border

The CSS property to change the border of an element to Yxy 23.6853, 0.2390, 0.3658 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(25, 150, 132) }
```

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

```
.border{ border-color:rgb(25, 150, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 150, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 150, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 150, 132);  
box-shadow:4px 4px 4px 4px rgb(25, 150,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6853, 0.2390, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 150, 132) }
```

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

```
.background{ background-color: rgb(25, 150,  
132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor