

Converting Colors

$Y_{xy}(10.8280, 0.2327, 0.3577)$

Have a look what the booklet for
Yxy(10.8280, 0.2327, 0.3577)
contains.

Yxy(10.9113, 0.2333, 0.3600)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.9113, 0.2333, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	00695E
RGB	0, 105, 94
RGB Percent	0%, 41%, 37%
CMY	1.0000, 0.5882, 0.6313
CMYK	1.00, 0.00, 0.10, 0.59
HSL	174°, 100%, 21%
HSV	174°, 100%, 41%
XYZ	7.0711, 10.9113, 12.3267
YIQ	72.3510, -59.0490, -25.6810

Conversions

Conversions Part 2

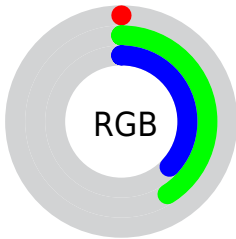
Format	Color
RYB	0, 55, 105
Decimal	26974
CIELab	39.43, -28.63, -1.18
CIELCh	39, 28.659, 182.363
Yxy	10.9113, 0.2333, 0.3600
Android (android.graphics.Color)	4278217054 (0xFF00695E)
YUV	72.3510, 10.6730, -63.4518
Hunter-Lab	33.0323, -19.5954, 0.9972

Details

The Yxy color **10.9113, 0.2333, 0.3600** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.0277, 0.6193, 0.3185**, and the grayscale version is **6.5337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5440, 0.2542, 0.3530**, and **3.1397, 0.2368, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **10.9126, 0.2333, 0.3600**, and if you desaturate by 10%, it is **11.0003, 0.2352, 0.3566**.

Distribution



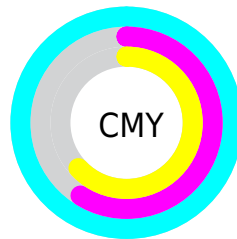
- Red (0%)
- Green (41%)
- Blue (37%)



- Red (0%)
- Yellow (22%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.9113, 0.2333, 0.3600 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 10.9113, 0.2333, 0.3600 by changing the saturation by 10% instead.


 10.9113, 0.2333,
0.3600


 10.9113, 0.2333,
0.3600


197.0580, 0.2819,
0.3413


 6.0072, 0.2166,
0.3663

 27.4960, 0.2538,
0.3522


 2.8495, 0.1914,
0.3755


 39.9455, 0.2606,
0.3496

 1.0537, 0.1133,
0.4069

 55.6788, 0.2660,
0.3475


 0.0000, 0.0000,
0.0000


 75.0805, 0.2704,
0.3458


 98.5348, 0.2740,
0.3444


 126.4263, 0.2770,


0.3432


 159.1392, 0.2796,
0.3421


 10.9113, 0.2333,
0.3600


 10.9113, 0.2333,
0.3600


 10.9126, 0.2333,
0.3600

 11.0003, 0.2352,
0.3566

 11.1121, 0.2378,
0.3532

 11.2722, 0.2422,
0.3498

 11.4861, 0.2482,
0.3464

 11.7583, 0.2559,
0.3431

■ 12.0930, 0.2651,
0.3399

■ 12.4939, 0.2756,
0.3369

■ 12.9646, 0.2872,
0.3341

■ 13.5082, 0.2997,
0.3314

Harmonies

Analogous

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



10.9113, 0.2859, 0.4214



10.9113, 0.2333, 0.3600



10.9113, 0.2034, 0.2948

Triad

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



10.9113, 0.2333, 0.3600



10.9113, 0.2671, 0.2332



10.9113, 0.4386, 0.3923

Complementary

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



10.9113, 0.2333, 0.3600



3.0277, 0.6193, 0.3185

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.



10.9113, 0.4357, 0.3432



10.9113, 0.2333, 0.3600



10.9113, 0.3303, 0.2567

Square

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



10.9113, 0.2333, 0.3600



10.9113, 0.2215, 0.2296



10.9113, 0.3945, 0.2955



10.9113, 0.4053, 0.4328

Rectangle

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



10.9113, 0.2333, 0.3600



10.9113, 0.1981, 0.2618



10.9113, 0.3945, 0.2955



10.9113, 0.4421, 0.3763

Sweetspot

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



10.9126, 0.2333, 0.3600



22.3029, 0.2747, 0.3372



10.1842, 0.3048, 0.5962



5.1711, 0.2714, 0.3381



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.9126, 0.2333, 0.3600



19.5283, 0.2336, 0.3609



4.7723, 0.1904, 0.2052



3.4867, 0.3010, 0.3312



13.8130, 0.2335, 0.3604



70.3079, 0.2340, 0.3624

Inverse Universe

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



3.0277, 0.6193, 0.3185



5.4105, 0.6242, 0.3212



4.5382, 0.5655, 0.3892



3.1215, 0.3258, 0.3268



3.8299, 0.6215, 0.3197



19.4494, 0.6301, 0.3245

Previews

White Background



This preview shows how the Yxy color 10.9113, 0.2333, 0.3600 looks on a white 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

Black Background



This preview shows how the Yxy color 10.9113, 0.2333, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

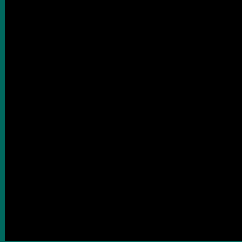
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9113, 0.2333, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 10.9113, 0.2333, 0.3600.



This preview shows how white text looks on a background with the Yxy color 10.9113, 0.2333, 0.3600.

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

10.9113, 0.2333, 0.3600

Protanopia

10.8292, 0.3265, 0.3410

Deuteranopia

10.8847, 0.3183, 0.3130



Tritanopia

11.0812, 0.2270, 0.3078

Trichromacy



Original Color

10.9113, 0.2333, 0.3600

Protanomaly

10.2797, 0.2722, 0.3478

Deuteranomaly

10.1189, 0.2682, 0.3262

Tritanomaly

11.0397, 0.2283, 0.3260

Monochromacy



Original Color

10.9113, 0.2333, 0.3600

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.5007, 0.2614, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9113, 0.2333, 0.3600 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, 105, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 94)  
}
```

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, 105, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 94) }
```

Border

The CSS property to change the border of an element to Yxy 10.9113, 0.2333, 0.3600 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, 105, 94) }
```

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

```
.border{ border-color:rgb(0, 105, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 105, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.9113, 0.2333, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 94) }
```

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

```
.background{ background-color: rgb(0, 105,  
94) }
```

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