

Converting Colors

$Y_{xy}(10.8322, 0.2373, 0.3513)$

Have a look what the booklet for
Yxy(10.8322, 0.2373, 0.3513)
contains.

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Color

Yxy(10.9046, 0.2373, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	156860
RGB	21, 104, 96
RGB Percent	8%, 41%, 38%
CMY	0.9178, 0.5921, 0.6235
CMYK	0.80, 0.00, 0.08, 0.59
HSL	174°, 66%, 25%
HSV	174°, 80%, 41%
XYZ	7.3702, 10.9046, 12.7836
YIQ	78.2710, -46.9000, -20.0840

Conversions

Conversions Part 2

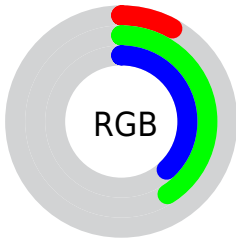
Format	Color
RYB	21, 65, 104
Decimal	1402976
CIELab	39.42, -25.66, -2.38
CIELCh	39, 25.773, 185.304
Yxy	10.9046, 0.2373, 0.3511
Android (android.graphics.Color)	4279593056 (0xFF156860)
YUV	78.2710, 8.7404, -50.2267
Hunter-Lab	33.0221, -17.9496, 0.1629

Details

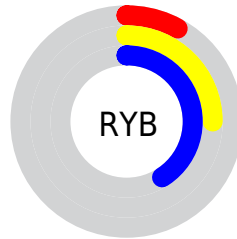
The Yxy color **10.9046, 0.2373, 0.3511** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.5662, 0.5492, 0.3160**, and the grayscale version is **7.6599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6016, 0.2574, 0.3471**, and **3.0586, 0.2327, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **10.7959, 0.2345, 0.3542**, and if you desaturate by 10%, it is **11.0615, 0.2417, 0.3480**.

Distribution



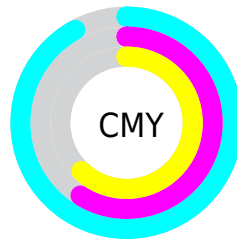
- Red (8%)
- Green (41%)
- Blue (38%)



- Red (8%)
- Yellow (25%)
- Blue (41%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (59%)




- Cyan (92%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.9046, 0.2373, 0.3511 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 10.9046, 0.2373, 0.3511 by changing the saturation by 10% instead.


 10.9046, 0.2373,
0.3511


 10.9046, 0.2373,
0.3511


197.0119, 0.2834,
0.3380


 6.0027, 0.2215,
0.3553

 27.4836, 0.2568,
0.3457


 2.8467, 0.1977,
0.3612

 39.9296, 0.2632,
0.3439

 1.0522, 0.1321,
0.3813

 55.6590, 0.2683,
0.3424

 0.0000, 0.0000,
0.0000

 75.0562, 0.2724,
0.3412

 98.5058, 0.2759,
0.3402

 126.3920, 0.2788,

0.3394

159.0992, 0.2812,
0.3386

10.9046, 0.2373,
0.3511

10.9046, 0.2373,
0.3511

10.7959, 0.2345,
0.3542

11.0615, 0.2417,
0.3480

10.7107, 0.2326,
0.3573

11.2705, 0.2479,
0.3449

10.7095, 0.2326,
0.3574

11.5366, 0.2557,
0.3419

11.8639, 0.2650,
0.3390

12.2559, 0.2756,
0.3362

■ 12.7162, 0.2872,
0.3336

■ 13.2477, 0.2998,
0.3312

■ 13.8536, 0.3129,
0.3290

■ 14.5364, 0.3264,
0.3270

Harmonies

Analogous

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



10.9046, 0.2837, 0.4068



10.9046, 0.2373, 0.3511



10.9046, 0.2119, 0.2939

Triad

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



10.9046, 0.2373, 0.3511



10.9046, 0.2768, 0.2429



10.9046, 0.4249, 0.3916

Complementary

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



10.9046, 0.2373, 0.3511



3.5662, 0.5492, 0.3160

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.



10.9046, 0.4252, 0.3473



10.9046, 0.2373, 0.3511



10.9046, 0.3348, 0.2661

Square

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



10.9046, 0.2373, 0.3511



10.9046, 0.2330, 0.2380



10.9046, 0.3911, 0.3030



10.9046, 0.3927, 0.4258

Rectangle

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



10.9046, 0.2373, 0.3511



10.9046, 0.2084, 0.2651



10.9046, 0.3911, 0.3030



10.9046, 0.4289, 0.3774

Sweetspot

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



10.9050, 0.2373, 0.3511



21.9032, 0.2815, 0.3349



10.2204, 0.3076, 0.5614



5.2923, 0.2784, 0.3356



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.



10.9050, 0.2373, 0.3511



18.8261, 0.2333, 0.3569



5.6372, 0.2051, 0.2291



3.1809, 0.3010, 0.3310



13.1979, 0.2327, 0.3577



68.7633, 0.2332, 0.3596

Inverse Universe

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



3.5662, 0.5492, 0.3160



5.3241, 0.6147, 0.3214



5.6515, 0.5035, 0.3968



2.8504, 0.3258, 0.3270



3.6522, 0.6227, 0.3204



18.9847, 0.6312, 0.3251

Previews

White Background



This preview shows how the Yxy color 10.9046, 0.2373, 0.3511 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 10.9046, 0.2373, 0.3511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

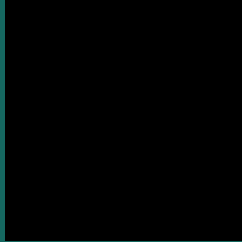
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9046, 0.2373, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 10.9046, 0.2373, 0.3511.



This preview shows how white text looks on a background with the Yxy color 10.9046, 0.2373, 0.3511.

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

10.9046, 0.2373, 0.3511

Protanopia

10.8085, 0.3219, 0.3362

Deuteranopia

10.8099, 0.3121, 0.3082



Tritanopia

10.9356, 0.2297, 0.3078

Trichromacy



Original Color

10.9046, 0.2373, 0.3511

Protanomaly

10.3674, 0.2782, 0.3394

Deuteranomaly

10.3684, 0.2733, 0.3212

Tritanomaly

10.9673, 0.2323, 0.3234

Monochromacy



Original Color

10.9046, 0.2373, 0.3511

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.3421, 0.2702, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9046, 0.2373, 0.3511 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(21, 104, 96)` looks like.

```
.text, #text, p{  
    color:rgb(21, 104, 96)  
}
```

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(21, 104, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 104, 96) }
```

Border

The CSS property to change the border of an element to Yxy 10.9046, 0.2373, 0.3511 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(21, 104, 96) }
```

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

```
.border{ border-color:rgb(21, 104, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 104, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 104, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 104, 96);  
box-shadow:4px 4px 4px 4px rgb(21, 104,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9046, 0.2373, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 104, 96) }
```

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

```
.background{ background-color: rgb(21, 104,  
96) }
```

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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