

Converting Colors

$Y_{xy}(9.7664, 0.1568, 0.3601)$

Have a look what the booklet for
Yxy(9.7664, 0.1568, 0.3601)
contains.

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Color

Yxy(11.3972, 0.2316, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	006B62
RGB	0, 107, 98
RGB Percent	0%, 42%, 38%
CMY	0.9998, 0.5804, 0.6157
CMYK	1.00, 0.00, 0.08, 0.58
HSL	175°, 100%, 21%
HSV	175°, 100%, 42%
XYZ	7.4628, 11.3972, 13.3628
YIQ	73.9810, -60.8830, -25.4830

Conversions

Conversions Part 2

Format	Color
RYB	0, 56, 107
Decimal	27490
CIELab	40.24, -28.32, -2.42
CIElCh	40, 28.420, 184.888
Yxy	11.3972, 0.2316, 0.3537
Android (android.graphics.Color)	4278217570 (0xFF006B62)
YUV	73.9810, 11.8414, -64.8813
Hunter-Lab	33.7597, -19.6210, 0.1636

Details

The Yxy color **11.3972, 0.2316, 0.3537** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.1467, 0.6235, 0.3209**, and the grayscale version is **6.8338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4220, 0.2521, 0.3470**, and **3.3759, 0.2337, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **11.3972, 0.2316, 0.3537**, and if you desaturate by 10%, it is **11.4839, 0.2335, 0.3510**.

Distribution



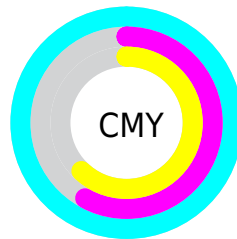
- Red (0%)
- Green (42%)
- Blue (38%)



- Red (0%)
- Yellow (22%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3972, 0.2316, 0.3537 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 11.3972, 0.2316, 0.3537 by changing the saturation by 10% instead.


 11.3972, 0.2316,
0.3537

 11.3972, 0.2316,
0.3537

 200.3727, 0.2808,
0.3391


 6.3347, 0.2150,
0.3583


 28.3924, 0.2523,
0.3478


 3.0496, 0.1902,
0.3647

 41.0938, 0.2591,
0.3457


 1.1577, 0.1280,
0.3836

 57.1102, 0.2646,
0.3441

 0.0267, 0.0000,
0.1188

 76.8262, 0.2690,
0.3428

 0.0000, 0.0000,
0.0000


 100.6260, 0.2727,
0.3416

 128.8941, 0.2758,

0.3407

 162.0149, 0.2785,
0.3399


 11.3972, 0.2316,
0.3537

 11.4839, 0.2335,
0.3510

 11.5961, 0.2363,
0.3483

 11.7587, 0.2408,
0.3456

 11.9772, 0.2470,
0.3429

 12.2566, 0.2548,
0.3403

■ 12.6011, 0.2642,
0.3377

■ 13.0148, 0.2749,
0.3353

■ 13.5013, 0.2867,
0.3331

■ 14.0639, 0.2994,
0.3309

Harmonies

Analogous

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



11.3972, 0.2817, 0.4150



11.3972, 0.2316, 0.3537



11.3972, 0.2043, 0.2911

Triad

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



11.3972, 0.2316, 0.3537



11.3972, 0.2728, 0.2362



11.3972, 0.4344, 0.3951

Complementary

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



11.3972, 0.2316, 0.3537



3.1467, 0.6235, 0.3209

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.



11.3972, 0.4347, 0.3472



11.3972, 0.2316, 0.3537



11.3972, 0.3355, 0.2608

Square

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



11.3972, 0.2316, 0.3537



11.3972, 0.2263, 0.2311



11.3972, 0.3972, 0.3000



11.3972, 0.3995, 0.4332

Rectangle

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



11.3972, 0.2316, 0.3537



11.3972, 0.2005, 0.2600



11.3972, 0.3972, 0.3000



11.3972, 0.4388, 0.3796

Sweetspot

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



11.3976, 0.2316, 0.3537



23.2336, 0.2739, 0.3355



10.5849, 0.3040, 0.5967



5.5640, 0.2704, 0.3363



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.3976, 0.2316, 0.3537



20.3998, 0.2318, 0.3544



4.7534, 0.1887, 0.1994



3.4877, 0.3007, 0.3307



13.8633, 0.2317, 0.3540



70.5771, 0.2321, 0.3555

Inverse Universe

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



3.1467, 0.6235, 0.3209



5.6232, 0.6278, 0.3232



4.8413, 0.5612, 0.3925



3.1205, 0.3261, 0.3273



3.8243, 0.6252, 0.3218



19.4292, 0.6329, 0.3260

Previews

White Background



This preview shows how the Yxy color 11.3972, 0.2316, 0.3537 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 11.3972, 0.2316, 0.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

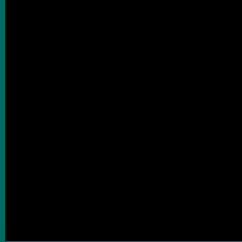
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3972, 0.2316, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 11.3972, 0.2316, 0.3537.



This preview shows how white text looks on a background with the Yxy color 11.3972, 0.2316, 0.3537.

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

11.3972, 0.2316, 0.3537

Protanopia

11.3021, 0.3217, 0.3361

Deuteranopia

11.3606, 0.3137, 0.3087



Tritanopia

11.5150, 0.2263, 0.3081

Trichromacy



Original Color

11.3972, 0.2316, 0.3537

Protanomaly

10.7560, 0.2693, 0.3421

Deuteranomaly

10.5595, 0.2642, 0.3211

Tritanomaly

11.5099, 0.2274, 0.3235

Monochromacy



Original Color

11.3972, 0.2316, 0.3537

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.8844, 0.2598, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3972, 0.2316, 0.3537 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, 107, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 98)  
}
```

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, 107, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 98) }
```

Border

The CSS property to change the border of an element to Yxy 11.3972, 0.2316, 0.3537 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, 107, 98) }
```

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

```
.border{ border-color:rgb(0, 107, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.3972, 0.2316, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 98) }
```

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

```
.background{ background-color: rgb(0, 107,  
98) }
```

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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