

Converting Colors

$Y_{xy}(11.4606, 0.2327, 0.3576)$

Have a look what the booklet for
Yxy(11.4606, 0.2327, 0.3576)
contains.

Yxy(11.3785, 0.2324, 0.3566)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.3785, 0.2324, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	006B61
RGB	0, 107, 97
RGB Percent	0%, 42%, 38%
CMY	0.9999, 0.5804, 0.6196
CMYK	1.00, 0.00, 0.09, 0.58
HSL	174°, 100%, 21%
HSV	174°, 100%, 42%
XYZ	7.4155, 11.3785, 13.1143
YIQ	73.8670, -60.5620, -25.7940

Conversions

Conversions Part 2

Format	Color
RYB	0, 56, 107
Decimal	27489
CIELab	40.21, -28.64, -1.85
CIELCh	40, 28.697, 183.706
Yxy	11.3785, 0.2324, 0.3566
Android (android.graphics.Color)	4278217569 (0xFF006B61)
YUV	73.8670, 11.4046, -64.7814
Hunter-Lab	33.7320, -19.7905, 0.5617

Details

The Yxy color **11.3785, 0.2324, 0.3566** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.1484, 0.6218, 0.3199**, and the grayscale version is **6.8122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3902, 0.2528, 0.3489**, and **3.3669, 0.2350, 0.3661** is the 20% darker color. If you saturate the color by 10%, you get **11.3787, 0.2324, 0.3566**, and if you desaturate by 10%, it is **11.4668, 0.2342, 0.3536**.

Distribution



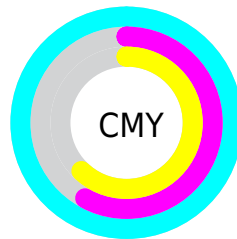
- Red (0%)
- Green (42%)
- Blue (38%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (58%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3785, 0.2324, 0.3566 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 11.3785, 0.2324, 0.3566 by changing the saturation by 10% instead.


 11.3785, 0.2324,
0.3566


 11.3785, 0.2324,
0.3566


 200.2462, 0.2812,
0.3402


 6.3220, 0.2159,
0.3619


 28.3580, 0.2529,
0.3498


 3.0419, 0.1912,
0.3695

 41.0498, 0.2597,
0.3475

 1.1536, 0.1274,
0.3916

 57.0555, 0.2651,
0.3457

 0.0233, 0.0000,
0.1308


 76.7595, 0.2695,
0.3442


 0.0000, 0.0000,
0.0000


 100.5461, 0.2732,
0.3429

 128.7999, 0.2763,


0.3419

 161.9051, 0.2789,
0.3410

 11.3785, 0.2324,
0.3566


 11.3785, 0.2324,
0.3566


 11.3787, 0.2324,
0.3566

 11.4668, 0.2342,
0.3536

 11.5807, 0.2370,
0.3505

 11.7449, 0.2414,
0.3475

 11.9652, 0.2475,
0.3445

 12.2463, 0.2553,
0.3416

■ 12.5927, 0.2646,
0.3388

■ 13.0082, 0.2752,
0.3361

■ 13.4965, 0.2869,
0.3335

■ 14.0610, 0.2995,
0.3312

Harmonies

Analogous

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



11.3785, 0.2836, 0.4179



11.3785, 0.2324, 0.3566



11.3785, 0.2039, 0.2928

Triad

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



11.3785, 0.2324, 0.3566



11.3785, 0.2702, 0.2348



11.3785, 0.4363, 0.3938

Complementary

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



11.3785, 0.2324, 0.3566



3.1484, 0.6218, 0.3199

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.



11.3785, 0.4352, 0.3454



11.3785, 0.2324, 0.3566



11.3785, 0.3331, 0.2589

Square

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



11.3785, 0.2324, 0.3566



11.3785, 0.2241, 0.2304



11.3785, 0.3959, 0.2979



11.3785, 0.4022, 0.4330

Rectangle

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



11.3785, 0.2324, 0.3566



11.3785, 0.1994, 0.2609



11.3785, 0.3959, 0.2979



11.3785, 0.4403, 0.3780

Sweetspot

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



11.3789, 0.2324, 0.3566



23.2223, 0.2742, 0.3363



10.5850, 0.3040, 0.5968



5.5610, 0.2708, 0.3371



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.



11.3789, 0.2324, 0.3566



20.3652, 0.2326, 0.3574



4.7524, 0.1887, 0.1993



3.4873, 0.3008, 0.3309



13.8401, 0.2325, 0.3569



70.4530, 0.2330, 0.3586

Inverse Universe

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



3.1484, 0.6218, 0.3199



5.6265, 0.6263, 0.3224



4.8404, 0.5612, 0.3925



3.1210, 0.3260, 0.3271



3.8268, 0.6236, 0.3209



19.4379, 0.6317, 0.3253

Previews

White Background



This preview shows how the Yxy color 11.3785, 0.2324, 0.3566 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 11.3785, 0.2324, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

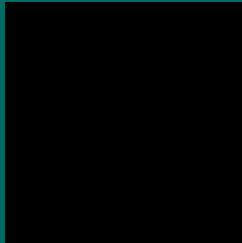
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3785, 0.2324, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 11.3785, 0.2324, 0.3566.



This preview shows how white text looks on a background with the Yxy color 11.3785, 0.2324, 0.3566.

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

11.3785, 0.2324, 0.3566

Protanopia

11.2850, 0.3232, 0.3384

Deuteranopia

11.3411, 0.3151, 0.3109



Tritanopia

11.5284, 0.2268, 0.3081

Trichromacy



Original Color

11.3785, 0.2324, 0.3566

Protanomaly

10.7381, 0.2705, 0.3448

Deuteranomaly

10.5402, 0.2654, 0.3237

Tritanomaly

11.4888, 0.2282, 0.3261

Monochromacy



Original Color

11.3785, 0.2324, 0.3566

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.8691, 0.2610, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3785, 0.2324, 0.3566 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 97) }
```

Border

The CSS property to change the border of an element to Yxy 11.3785, 0.2324, 0.3566 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, 97) }
```

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

```
.border{ border-color:rgb(0, 107, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.3785, 0.2324, 0.3566 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, 97) }
```

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

```
.background{ background-color: rgb(0, 107,  
97) }
```

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