

Converting Colors

$Yxy(11.6240, 0.2278, 0.3402)$

Have a look what the booklet for
Yxy(11.6240, 0.2278, 0.3402)
contains.

Yxy(11.7044, 0.2284, 0.3423)	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(11.7044, 0.2284, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	006C67
RGB	0, 108, 103
RGB Percent	0%, 42%, 40%
CMY	1.0000, 0.5765, 0.5961
CMYK	1.00, 0.00, 0.05, 0.58
HSL	177°, 100%, 21%
HSV	177°, 100%, 42%
XYZ	7.8098, 11.7044, 14.6792
YIQ	75.1380, -62.7630, -24.4510

Conversions

Conversions Part 2

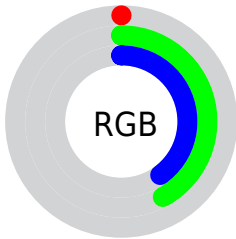
Format	Color
RYB	0, 55, 108
Decimal	27751
CIELab	40.74, -27.21, -4.72
CIELCh	41, 27.614, 189.842
Yxy	11.7044, 0.2284, 0.3423
Android (android.graphics.Color)	4278217831 (0xFF006C67)
YUV	75.1380, 13.7360, -65.8960
Hunter-Lab	34.2117, -19.1229, -1.4914

Details

The Yxy color **11.7044, 0.2284, 0.3423** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.1994, 0.6310, 0.3250**, and the grayscale version is **7.0460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9706, 0.2497, 0.3396**, and **3.5172, 0.2297, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **11.7054, 0.2284, 0.3423**, and if you desaturate by 10%, it is **11.7853, 0.2306, 0.3409**.

Distribution



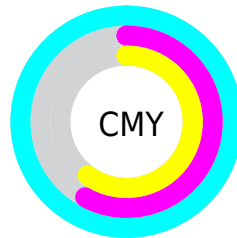
- Red (0%)
- Green (42%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (58%)



- Cyan (100%)
- Magenta (58%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7044, 0.2284, 0.3423 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 11.7044, 0.2284, 0.3423 by changing the saturation by 10% instead.

11.7044, 0.2284,
0.3423

11.7044, 0.2284,
0.3423

202.4384, 0.2792,
0.3351

6.5427, 0.2116,
0.3440

28.9556, 0.2495,
0.3396

3.1778, 0.1868,
0.3459

41.8139, 0.2566,
0.3386

1.2253, 0.1340,
0.3522

58.0065, 0.2622,
0.3378

0.0822, 0.0000,
0.1638

77.9178, 0.2669,
0.3371

0.0000, 0.0000,
0.0000

101.9323, 0.2707,
0.3365

130.4343, 0.2740,


0.3360

 163.8082, 0.2768,
0.3355


 11.7044, 0.2284,
0.3423


 11.7044, 0.2284,
0.3423

 11.7054, 0.2284,
0.3423

 11.7853, 0.2306,
0.3409

 11.8917, 0.2336,
0.3394

 12.0494, 0.2383,
0.3380

 12.2641, 0.2447,
0.3365

 12.5408, 0.2528,
0.3351

■ 12.8839, 0.2624,
0.3337

■ 13.2976, 0.2735,
0.3324

■ 13.7854, 0.2857,
0.3312

■ 14.3510, 0.2989,
0.3301

Harmonies

Analogous

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



11.7044, 0.2738, 0.4032



11.7044, 0.2284, 0.3423



11.7044, 0.2059, 0.2843

Triad

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



11.7044, 0.2284, 0.3423



11.7044, 0.2836, 0.2419



11.7044, 0.4266, 0.4003

Complementary

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



11.7044, 0.2284, 0.3423



3.1994, 0.6310, 0.3250

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.



11.7044, 0.4328, 0.3548



11.7044, 0.2284, 0.3423



11.7044, 0.3453, 0.2685

Square

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



11.7044, 0.2284, 0.3423



11.7044, 0.2352, 0.2337



11.7044, 0.4022, 0.3084



11.7044, 0.3887, 0.4336

Rectangle

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



11.7044, 0.2284, 0.3423



11.7044, 0.2049, 0.2568



11.7044, 0.4022, 0.3084



11.7044, 0.4327, 0.3858

Sweetspot

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



11.7054, 0.2284, 0.3423



23.2794, 0.2725, 0.3325



10.7610, 0.3020, 0.5984



5.5762, 0.2689, 0.3329



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.



11.7054, 0.2284, 0.3423



20.5436, 0.2285, 0.3427



4.2523, 0.1840, 0.1823



3.4896, 0.3003, 0.3299



13.9594, 0.2285, 0.3424



71.0931, 0.2287, 0.3433

Inverse Universe

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



3.1994, 0.6310, 0.3250



5.6114, 0.6333, 0.3262



5.3519, 0.5477, 0.4034



3.1188, 0.3266, 0.3281



3.8146, 0.6318, 0.3254



19.4015, 0.6366, 0.3281

Previews

White Background



This preview shows how the Yxy color 11.7044, 0.2284, 0.3423 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 11.7044, 0.2284, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

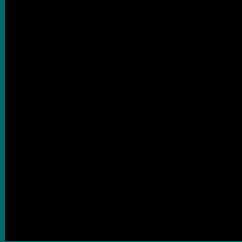
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7044, 0.2284, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 11.7044, 0.2284, 0.3423.



This preview shows how white text looks on a background with the Yxy color 11.7044, 0.2284, 0.3423.

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

11.7044, 0.2284, 0.3423

Protanopia

11.6256, 0.3159, 0.3267

Deuteranopia

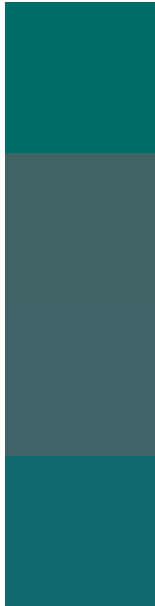
11.5786, 0.3050, 0.3000



Tritanopia

11.7401, 0.2246, 0.3058

Trichromacy



Original Color

11.7044, 0.2284, 0.3423

Protanomaly

11.0393, 0.2641, 0.3314

Deuteranomaly

10.8453, 0.2591, 0.3111

Tritanomaly

11.7646, 0.2252, 0.3183

Monochromacy



Original Color

11.7044, 0.2284, 0.3423

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.1006, 0.2590, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7044, 0.2284, 0.3423 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, 108, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 103)  
}
```

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, 108, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 103) }
```

Border

The CSS property to change the border of an element to Yxy 11.7044, 0.2284, 0.3423 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, 108, 103) }
```

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

```
.border{ border-color:rgb(0, 108, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7044, 0.2284, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 103) }
```

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

```
.background{ background-color: rgb(0, 108,  
103) }
```

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