

Converting Colors

$Yxy(11.0238, 0.1800, 0.3535)$

Have a look what the booklet for
Yxy(11.0238, 0.1800, 0.3535)
contains.

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Color

Yxy(12.3482, 0.2306, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	006F67
RGB	0, 111, 103
RGB Percent	0%, 44%, 40%
CMY	0.9998, 0.5647, 0.5960
CMYK	1.00, 0.00, 0.07, 0.56
HSL	176°, 100%, 22%
HSV	176°, 100%, 44%
XYZ	8.1334, 12.3482, 14.7889
YIQ	76.8990, -63.5880, -26.0200

Conversions

Conversions Part 2

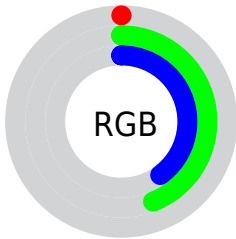
Format	Color
RYB	0, 58, 111
Decimal	28519
CIELab	41.76, -28.65, -3.21
CIELCh	42, 28.830, 186.399
Yxy	12.3482, 0.2306, 0.3501
Android (android.graphics.Color)	4278218599 (0xFF006F67)
YUV	76.8990, 12.8678, -67.4404
Hunter-Lab	35.1400, -20.1801, -0.3546

Details

The Yxy color **12.3482, 0.2306, 0.3501** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.3983, 0.6264, 0.3225**, and the grayscale version is **7.3895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0233, 0.2507, 0.3448**, and **3.7308, 0.2320, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **12.3482, 0.2306, 0.3501**, and if you desaturate by 10%, it is **12.4367, 0.2325, 0.3478**.

Distribution



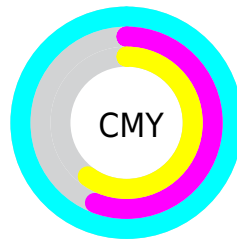
- Red (0%)
- Green (44%)
- Blue (40%)



- Red (0%)
- Yellow (23%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (56%)




- Cyan (100%)
- Magenta (56%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3482, 0.2306, 0.3501 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 12.3482, 0.2306, 0.3501 by changing the saturation by 10% instead.


 12.3482, 0.2306,
0.3501


 12.3482, 0.2306,
0.3501


 206.6970, 0.2798,
0.3380


 6.9813, 0.2144,
0.3537


 30.1277, 0.2510,
0.3453


 3.4504, 0.1906,
0.3584

 43.3091, 0.2579,
0.3436


 1.3711, 0.1446,
0.3682

 59.8641, 0.2634,
0.3423

 0.1953, 0.0000,
0.3087


 80.1771, 0.2679,
0.3411

 0.0000, 0.0000,
0.0000


 104.6325, 0.2716,
0.3402

 133.6147, 0.2748,

0.3393


 167.5081, 0.2775,
0.3386


 12.3482, 0.2306,
0.3501

 12.4367, 0.2325,
0.3478

 12.5542, 0.2353,
0.3455

 12.7264, 0.2398,
0.3432

 12.9593, 0.2461,
0.3409

 13.2585, 0.2540,
0.3387

■ 13.6285, 0.2635,
0.3365

■ 14.0738, 0.2743,
0.3344

■ 14.5983, 0.2863,
0.3325

■ 15.2058, 0.2992,
0.3307

Harmonies

Analogous

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



12.3482, 0.2792, 0.4113



12.3482, 0.2306, 0.3501



12.3482, 0.2048, 0.2890

Triad

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



12.3482, 0.2306, 0.3501



12.3482, 0.2762, 0.2380



12.3482, 0.4320, 0.3967

Complementary

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



12.3482, 0.2306, 0.3501



3.3983, 0.6264, 0.3225

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.



12.3482, 0.4341, 0.3496



12.3482, 0.2306, 0.3501



12.3482, 0.3386, 0.2632

Square

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



12.3482, 0.2306, 0.3501



12.3482, 0.2290, 0.2319



12.3482, 0.3988, 0.3026



12.3482, 0.3961, 0.4333

Rectangle

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



12.3482, 0.2306, 0.3501



12.3482, 0.2018, 0.2590



12.3482, 0.3988, 0.3026



12.3482, 0.4369, 0.3815

Sweetspot

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



12.3487, 0.2306, 0.3501



25.1271, 0.2734, 0.3346



11.4290, 0.3032, 0.5974



5.9714, 0.2697, 0.3353



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.3487, 0.2306, 0.3501



22.1039, 0.2308, 0.3507



4.9025, 0.1870, 0.1931



3.8112, 0.3005, 0.3305



14.5494, 0.2306, 0.3503



72.4229, 0.2310, 0.3516

Inverse Universe

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



3.3983, 0.6264, 0.3225



6.0745, 0.6301, 0.3245



5.3556, 0.5573, 0.3956



3.4050, 0.3264, 0.3275



4.0013, 0.6276, 0.3231



19.8809, 0.6343, 0.3268

Previews

White Background



This preview shows how the Yxy color 12.3482, 0.2306, 0.3501 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 12.3482, 0.2306, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

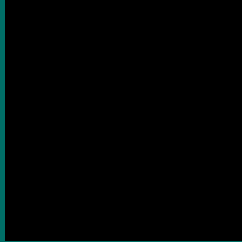
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3482, 0.2306, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 12.3482, 0.2306, 0.3501.



This preview shows how white text looks on a background with the Yxy color 12.3482, 0.2306, 0.3501.

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

12.3482, 0.2306, 0.3501

Protanopia

12.3283, 0.3214, 0.3358

Deuteranopia

12.3494, 0.3108, 0.3072



Tritanopia

12.4649, 0.2252, 0.3063

Trichromacy



Original Color

12.3482, 0.2306, 0.3501

Protanomaly

11.6723, 0.2684, 0.3416

Deuteranomaly

11.4855, 0.2624, 0.3189

Tritanomaly

12.4633, 0.2264, 0.3211

Monochromacy



Original Color

12.3482, 0.2306, 0.3501

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.4696, 0.2599, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3482, 0.2306, 0.3501 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, 111, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 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, 111, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 103) }
```

Border

The CSS property to change the border of an element to Yxy 12.3482, 0.2306, 0.3501 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, 111, 103) }
```

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

```
.border{ border-color:rgb(0, 111, 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, 111, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3482, 0.2306, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 103) }
```

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

```
.background{ background-color: rgb(0, 111,  
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](#).

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