

Converting Colors

$Y_{xy}(12.4093, 0.2344, 0.3545)$

Have a look what the booklet for
Yxy(12.4093, 0.2344, 0.3545)
contains.

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Color

Yxy(12.3796, 0.2347, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	0B6F65
RGB	11, 111, 101
RGB Percent	4%, 44%, 40%
CMY	0.9562, 0.5647, 0.6039
CMYK	0.90, 0.00, 0.09, 0.56
HSL	174°, 82%, 24%
HSV	174°, 90%, 44%
XYZ	8.1730, 12.3796, 14.2705
YIQ	79.9600, -56.3900, -24.3100

Conversions

Conversions Part 2

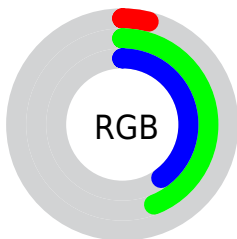
Format	Color
R_{YB}	11, 64, 111
Decimal	749413
CIE _{Lab}	41.81, -28.50, -1.91
CIE _{LCh}	42, 28.568, 183.840
Yxy	12.3796, 0.2347, 0.3555
Android (android.graphics.Color)	4278939493 (0xFF0B6F65)
YUV	79.9600, 10.3727, -60.4779
Hunter-Lab	35.1847, -20.1097, 0.5819

Details

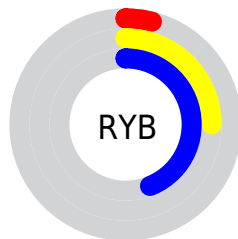
The Yxy color **12.3796, 0.2347, 0.3555** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.6773, 0.5895, 0.3181**, and the grayscale version is **8.0116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0811, 0.2537, 0.3484**, and **3.7116, 0.2346, 0.3646** is the 20% darker color. If you saturate the color by 10%, you get **12.2866, 0.2330, 0.3588**, and if you desaturate by 10%, it is **12.5034, 0.2373, 0.3522**.

Distribution



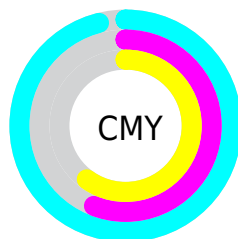
- Red (4%)
- Green (44%)
- Blue (40%)



- Red (4%)
- Yellow (25%)
- Blue (44%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (56%)




- Cyan (96%)
- Magenta (56%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3796, 0.2347, 0.3555 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 12.3796, 0.2347, 0.3555 by changing the saturation by 10% instead.


 12.3796, 0.2347,
0.3555


 12.3796, 0.2347,
0.3555


206.9024, 0.2816,
0.3399


 7.0028, 0.2192,
0.3604


 30.1846, 0.2542,
0.3491


 3.4638, 0.1962,
0.3674

 43.3816, 0.2607,
0.3470


 1.3784, 0.1514,
0.3815

 59.9540, 0.2660,
0.3452

 0.2007, 0.0000,
0.3629

 80.2863, 0.2702,
0.3438

 0.0000, 0.0000,
0.0000

 104.7629, 0.2738,
0.3426

 133.7682, 0.2768,

0.3415

167.6866, 0.2794,
0.3407

12.3796, 0.2347,
0.3555

12.3796, 0.2347,
0.3555

12.2866, 0.2330,
0.3588

12.5034, 0.2373,
0.3522

12.2860, 0.2330,
0.3588

12.6814, 0.2417,
0.3490

12.9204, 0.2478,
0.3457

13.2257, 0.2555,
0.3426

13.6020, 0.2647,
0.3395

■ 14.0538, 0.2753,
0.3366

■ 14.5849, 0.2870,
0.3339

■ 15.1991, 0.2996,
0.3313

■ 15.8998, 0.3128,
0.3290

Harmonies

Analogous

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



12.3796, 0.2845, 0.4145



12.3796, 0.2347, 0.3555



12.3796, 0.2069, 0.2940

Triad

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



12.3796, 0.2347, 0.3555



12.3796, 0.2718, 0.2375



12.3796, 0.4325, 0.3924

Complementary

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



12.3796, 0.2347, 0.3555



3.6773, 0.5895, 0.3181

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.



12.3796, 0.4313, 0.3454



12.3796, 0.2347, 0.3555



12.3796, 0.3328, 0.2610

Square

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



12.3796, 0.2347, 0.3555



12.3796, 0.2268, 0.2332



12.3796, 0.3935, 0.2992



12.3796, 0.3994, 0.4301

Rectangle

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



12.3796, 0.2347, 0.3555



12.3796, 0.2025, 0.2629



12.3796, 0.3935, 0.2992



12.3796, 0.4363, 0.3772

Sweetspot

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



12.3801, 0.2347, 0.3555



25.3642, 0.2778, 0.3360



11.5727, 0.3062, 0.5815



6.0387, 0.2749, 0.3367



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.



12.3801, 0.2347, 0.3555



21.9911, 0.2332, 0.3596



5.9496, 0.1974, 0.2185



3.8097, 0.3008, 0.3311



14.4764, 0.2331, 0.3591



72.0409, 0.2336, 0.3609

Inverse Universe

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



3.6773, 0.5895, 0.3181



6.0848, 0.6257, 0.3221



5.6372, 0.5380, 0.3922



3.4064, 0.3260, 0.3269



4.0089, 0.6227, 0.3204



19.9070, 0.6309, 0.3249

Previews

White Background



This preview shows how the Yxy color 12.3796, 0.2347, 0.3555 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 12.3796, 0.2347, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

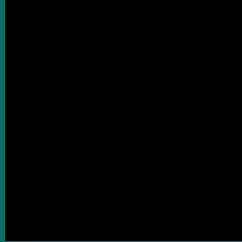
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3796, 0.2347, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 12.3796, 0.2347, 0.3555.



This preview shows how white text looks on a background with the Yxy color 12.3796, 0.2347, 0.3555.

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

12.3796, 0.2347, 0.3555

Protanopia

12.3102, 0.3228, 0.3381

Deuteranopia

12.1872, 0.3152, 0.3093



Tritanopia

12.4828, 0.2272, 0.3088

Trichromacy



Original Color

12.3796, 0.2347, 0.3555

Protanomaly

11.7925, 0.2740, 0.3441

Deuteranomaly

11.6262, 0.2703, 0.3239

Tritanomaly

12.4817, 0.2299, 0.3262

Monochromacy



Original Color

12.3796, 0.2347, 0.3555

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.9990, 0.2654, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3796, 0.2347, 0.3555 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(11, 111, 101)` looks like.

```
.text, #text, p{  
    color:rgb(11, 111, 101)  
}
```

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(11, 111, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 111, 101) }
```

Border

The CSS property to change the border of an element to Yxy 12.3796, 0.2347, 0.3555 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(11, 111, 101) }
```

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

```
.border{ border-color:rgb(11, 111, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 111, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 111, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 111, 101);  
box-shadow:4px 4px 4px 4px rgb(11, 111,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3796, 0.2347, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 111, 101) }
```

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

```
.background{ background-color: rgb(11, 111,  
101) }
```

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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