

Converting Colors

$Y_{xy}(10.8646, 0.2588, 0.4334)$

Have a look what the booklet for
Yxy(10.8646, 0.2588, 0.4334)
contains.

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Color

Yxy(10.8646, 0.2588, 0.4334)

Conversions

Conversions Part 1

Format	Color
Hex	0F6A47
RGB	15, 106, 71
RGB Percent	6%, 42%, 28%
CMY	0.9414, 0.5843, 0.7216
CMYK	0.86, 0.00, 0.33, 0.58
HSL	157°, 75%, 24%
HSV	157°, 86%, 42%
XYZ	6.4877, 10.8646, 7.7160
YIQ	74.8010, -43.0010, -30.1770

Conversions

Conversions Part 2

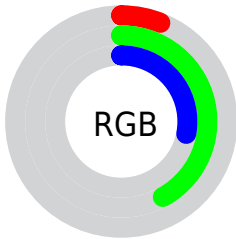
Format	Color
RYB	15, 71, 106
Decimal	1010247
CIELab	39.35, -34.24, 12.67
CIELCh	39, 36.513, 159.696
Yxy	10.8646, 0.2588, 0.4334
Android (android.graphics.Color)	4279200327 (0xFF0F6A47)
YUV	74.8010, -1.8739, -52.4455
Hunter-Lab	32.9615, -22.5492, 9.1937

Details

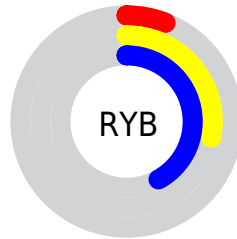
The Yxy color **10.8646, 0.2588, 0.4334** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.6346, 0.4888, 0.2656**, and the grayscale version is **7.0052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3876, 0.2741, 0.4020**, and **3.0054, 0.2681, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **10.7414, 0.2591, 0.4475**, and if you desaturate by 10%, it is **11.0317, 0.2600, 0.4193**.

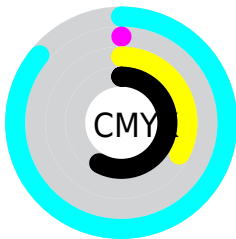
Distribution



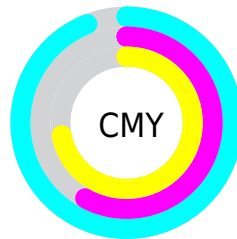
- Red (6%)
- Green (42%)
- Blue (28%)



- Red (6%)
- Yellow (28%)
- Blue (42%)



- Cyan (86%)
- Magenta (0%)
- Yellow (33%)
- Black (58%)




- Cyan (94%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8646, 0.2588, 0.4334 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 10.8646, 0.2588, 0.4334 by changing the saturation by 10% instead.


 10.8646, 0.2588,
0.4334


 10.8646, 0.2588,
0.4334


196.7363, 0.2936,
0.3656


 5.9759, 0.2453,
0.4600

 27.4095, 0.2743,
0.4031


 2.8304, 0.2232,
0.5040


 39.8345, 0.2791,
0.3937

 1.0438, 0.1033,
0.7283

 55.5403, 0.2829,
0.3864


 0.0000, 0.0000,
0.0000

 74.9114, 0.2859,
0.3806

 98.3322, 0.2883,
0.3758

 126.1869, 0.2904,


0.3718


 158.8602, 0.2921,
0.3685


 10.8646, 0.2588,
0.4334


 10.8646, 0.2588,
0.4334


 10.7414, 0.2591,
0.4475


 11.0317, 0.2600,
0.4193

 10.6936, 0.2593,
0.4533

 11.2534, 0.2630,
0.4052

 11.5354, 0.2677,
0.3916

 11.8822, 0.2737,
0.3784

 12.2980, 0.2810,
0.3661

■ 12.7865, 0.2891,
0.3545

■ 13.3513, 0.2979,
0.3439

■ 13.9956, 0.3072,
0.3343

■ 14.7225, 0.3166,
0.3255

Harmonies

Analogous

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



10.8646, 0.3355, 0.4806



10.8646, 0.2588, 0.4334



10.8646, 0.2010, 0.3454

Triad

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



10.8646, 0.2588, 0.4334



10.8646, 0.2107, 0.2054



10.8646, 0.4745, 0.3575

Complementary

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



10.8646, 0.2588, 0.4334



3.6346, 0.4888, 0.2656

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.



10.8646, 0.4337, 0.2994



10.8646, 0.2588, 0.4334



10.8646, 0.2722, 0.2165

Square

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



10.8646, 0.2588, 0.4334



10.8646, 0.1778, 0.2203



10.8646, 0.3550, 0.2498



10.8646, 0.4631, 0.4172

Rectangle

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



10.8646, 0.2588, 0.4334



10.8646, 0.1795, 0.2897



10.8646, 0.3550, 0.2498



10.8646, 0.4667, 0.3376

Sweetspot

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



10.8650, 0.2588, 0.4334



22.3634, 0.2884, 0.3554



11.0568, 0.3326, 0.5552



5.1874, 0.2864, 0.3582



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.8650, 0.2588, 0.4334



18.7431, 0.2603, 0.4569



9.6725, 0.2216, 0.3035



3.4731, 0.3043, 0.3371



13.2632, 0.2597, 0.4548



67.4081, 0.2618, 0.4626

Inverse Universe

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



3.6346, 0.4888, 0.2656



5.6342, 0.5383, 0.2739



3.7543, 0.5805, 0.3428



3.1343, 0.3220, 0.3210



3.9929, 0.5344, 0.2717



20.1867, 0.5485, 0.2795

Previews

White Background



This preview shows how the Yxy color 10.8646, 0.2588, 0.4334 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 10.8646, 0.2588, 0.4334 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 10.8646, 0.2588, 0.4334

Background



This preview shows how black text looks on a background with the Yxy color 10.8646, 0.2588, 0.4334.



This preview shows how white text looks on a background with the Yxy color 10.8646, 0.2588, 0.4334.

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

10.8646, 0.2588, 0.4334

Protanopia

10.7453, 0.3673, 0.3932

Deuteranopia

10.7786, 0.3654, 0.3611



Tritanopia

10.8428, 0.2343, 0.3079

Trichromacy



Original Color

10.8646, 0.2588, 0.4334

Protanomaly

10.2198, 0.3117, 0.4115

Deuteranomaly

10.1347, 0.3101, 0.3855

Tritanomaly

10.8027, 0.2421, 0.3510

Monochromacy



Original Color

10.8646, 0.2588, 0.4334

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.9069, 0.2789, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8646, 0.2588, 0.4334 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(15, 106, 71)` looks like.

```
.text, #text, p{  
    color:rgb(15, 106, 71)  
}
```

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(15, 106, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 106, 71) }
```

Border

The CSS property to change the border of an element to Yxy 10.8646, 0.2588, 0.4334 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(15, 106, 71) }
```

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

```
.border{ border-color:rgb(15, 106, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 106, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 106, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 106, 71);  
box-shadow:4px 4px 4px 4px rgb(15, 106,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8646, 0.2588, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 106, 71) }
```

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

```
.background{ background-color: rgb(15, 106,  
71) }
```

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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