

Converting Colors

$Y_{xy}(10.2157, 0.2585, 0.4455)$

Have a look what the booklet for
Yxy(10.2157, 0.2585, 0.4455)
contains.

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Color

Yxy(10.1197, 0.2580, 0.4438)

Conversions

Conversions Part 1

Format	Color
Hex	046742
RGB	4, 103, 66
RGB Percent	2%, 40%, 26%
CMY	0.9847, 0.5961, 0.7411
CMYK	0.96, 0.00, 0.36, 0.60
HSL	158°, 93%, 21%
HSV	158°, 96%, 40%
XYZ	5.8830, 10.1197, 6.7997
YIQ	69.1810, -47.1270, -32.4950

Conversions

Conversions Part 2

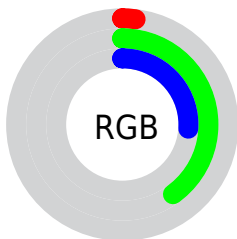
Format	Color
RYB	4, 65, 103
Decimal	288578
CIELab	38.06, -35.22, 13.85
CIELCh	38, 37.844, 158.529
Yxy	10.1197, 0.2580, 0.4438
Android (android.graphics.Color)	4278478658 (0xFF046742)
YUV	69.1810, -1.5682, -57.1637
Hunter-Lab	31.8115, -22.6594, 9.5949

Details

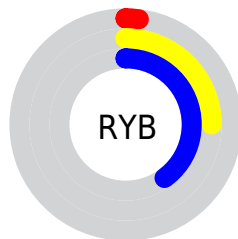
The Yxy color **10.1197, 0.2580, 0.4438** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.1277, 0.5232, 0.2711**, and the grayscale version is **5.9860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0353, 0.2745, 0.4101**, and **2.7942, 0.2723, 0.5003** is the 20% darker color. If you saturate the color by 10%, you get **10.0780, 0.2581, 0.4490**, and if you desaturate by 10%, it is **10.2368, 0.2579, 0.4302**.

Distribution



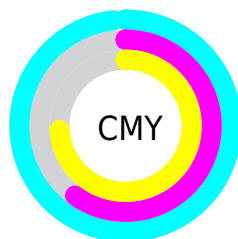
- Red (2%)
- Green (40%)
- Blue (26%)



- Red (2%)
- Yellow (25%)
- Blue (40%)



- Cyan (96%)
- Magenta (0%)
- Yellow (36%)
- Black (60%)





- Cyan (98%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1197, 0.2580, 0.4438 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 10.1197, 0.2580, 0.4438 by changing the saturation by 10% instead.


 10.1197, 0.2580,
0.4438


 10.1197, 0.2580,
0.4438


191.5243, 0.2939,
0.3684


 5.4784, 0.2436,
0.4742

 26.0204, 0.2742,
0.4097


 2.5306, 0.2193,
0.5255


 38.0486, 0.2792,
0.3992


 0.8919, 0.0000,
0.9970

 53.3079, 0.2831,
0.3911

 0.0000, 0.0000,
0.0000


 72.1826, 0.2861,
0.3847


 95.0572, 0.2886,
0.3795


 122.3161, 0.2907,


0.3752

 154.3437, 0.2924,
0.3715


 10.1197, 0.2580,
0.4438


 10.1197, 0.2580,
0.4438


 10.0780, 0.2581,
0.4490

 10.2368, 0.2579,
0.4302

 10.3922, 0.2591,
0.4165

 10.5988, 0.2622,
0.4030

 10.8615, 0.2669,
0.3898

 11.1845, 0.2730,
0.3771

■ 11.5718, 0.2803,
0.3652

■ 12.0268, 0.2886,
0.3540

■ 12.5528, 0.2975,
0.3437

■ 13.1528, 0.3068,
0.3344

Harmonies

Analogous

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



10.1197, 0.3390, 0.4911



10.1197, 0.2580, 0.4438



10.1197, 0.1966, 0.3497

Triad

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



10.1197, 0.2580, 0.4438



10.1197, 0.2034, 0.1993



10.1197, 0.4834, 0.3553

Complementary

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



10.1197, 0.2580, 0.4438



3.1277, 0.5232, 0.2711

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.



10.1197, 0.4384, 0.2950



10.1197, 0.2580, 0.4438



10.1197, 0.2666, 0.2101

Square

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



10.1197, 0.2580, 0.4438



10.1197, 0.1705, 0.2156



10.1197, 0.3536, 0.2439



10.1197, 0.4724, 0.4180

Rectangle

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



10.1197, 0.2580, 0.4438



10.1197, 0.1735, 0.2897



10.1197, 0.3536, 0.2439



10.1197, 0.4746, 0.3346

Sweetspot

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



10.1201, 0.2580, 0.4438



21.2231, 0.2855, 0.3580



10.1998, 0.3272, 0.5732



5.1148, 0.2829, 0.3615



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.



10.1201, 0.2580, 0.4438



18.0211, 0.2591, 0.4528



8.5624, 0.2165, 0.2953



3.1687, 0.3042, 0.3368



12.6714, 0.2585, 0.4506



65.9149, 0.2607, 0.4584

Inverse Universe

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



3.1277, 0.5232, 0.2711



5.3975, 0.5423, 0.2761



3.2471, 0.6115, 0.3428



2.8618, 0.3220, 0.3213



3.8011, 0.5382, 0.2738



19.6667, 0.5528, 0.2819

Previews

White Background



This preview shows how the Yxy color 10.1197, 0.2580, 0.4438 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 10.1197, 0.2580, 0.4438 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 10.1197, 0.2580, 0.4438

Background



This preview shows how black text looks on a background with the Yxy color 10.1197, 0.2580, 0.4438.



This preview shows how white text looks on a background with the Yxy color 10.1197, 0.2580, 0.4438.

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

10.1197, 0.2580, 0.4438

Protanopia

10.0124, 0.3720, 0.3998

Deuteranopia

10.1010, 0.3722, 0.3665



Tritanopia

10.1510, 0.2330, 0.3073

Trichromacy



Original Color

10.1197, 0.2580, 0.4438

Protanomaly

9.4100, 0.3098, 0.4212

Deuteranomaly

9.3129, 0.3081, 0.3939

Tritanomaly

10.0639, 0.2405, 0.3548

Monochromacy



Original Color

10.1197, 0.2580, 0.4438

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.8601, 0.2746, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1197, 0.2580, 0.4438 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(4, 103, 66)` looks like.

```
.text, #text, p{  
    color:rgb(4, 103, 66)  
}
```

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(4, 103, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 103, 66) }
```

Border

The CSS property to change the border of an element to Yxy 10.1197, 0.2580, 0.4438 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(4, 103, 66) }
```

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

```
.border{ border-color:rgb(4, 103, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 103, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 103, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 103, 66);  
box-shadow:4px 4px 4px 4px rgb(4, 103, 66)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1197, 0.2580, 0.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 103, 66) }
```

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

```
.background{ background-color: rgb(4, 103,  
66) }
```

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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