

Converting Colors

$Y_{xy}(8.5033, 0.0422, 0.5020)$

Have a look what the booklet for
Yxy(8.5033, 0.0422, 0.5020)
contains.

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Color

Yxy(11.6197, 0.2557, 0.4404)

Conversions

Conversions Part 1

Format	Color
Hex	006E48
RGB	0, 110, 72
RGB Percent	0%, 43%, 28%
CMY	0.9996, 0.5686, 0.7176
CMYK	1.00, 0.00, 0.35, 0.57
HSL	159°, 100%, 22%
HSV	159°, 100%, 43%
XYZ	6.7465, 11.6197, 8.0182
YIQ	72.7780, -53.3620, -35.1380

Conversions

Conversions Part 2

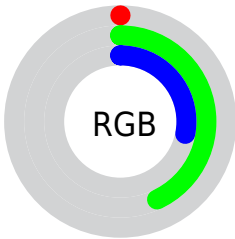
Format	Color
RYB	0, 66, 110
Decimal	28232
CIELab	40.61, -36.97, 13.76
CIELCh	41, 39.445, 159.577
Yxy	11.6197, 0.2557, 0.4404
Android (android.graphics.Color)	4278218312 (0xFF006E48)
YUV	72.7780, -0.3836, -63.8263
Hunter-Lab	34.0877, -24.3254, 9.9150

Details

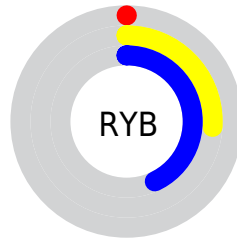
The Yxy color **11.6197, 0.2557, 0.4404** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.4576, 0.5473, 0.2790**, and the grayscale version is **6.6349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9913, 0.2719, 0.4086**, and **3.4213, 0.2699, 0.4916** is the 20% darker color. If you saturate the color by 10%, you get **11.6191, 0.2557, 0.4405**, and if you desaturate by 10%, it is **11.7425, 0.2554, 0.4277**.

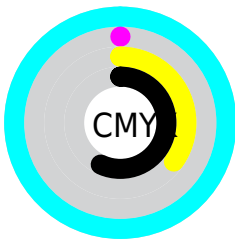
Distribution



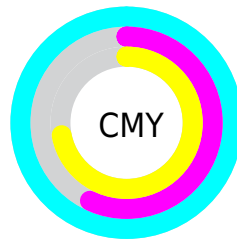
- Red (0%)
- Green (43%)
- Blue (28%)



- Red (0%)
- Yellow (26%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6197, 0.2557, 0.4404 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 11.6197, 0.2557, 0.4404 by changing the saturation by 10% instead.


 11.6197, 0.2557,
0.4404


 11.6197, 0.2557,
0.4404


 201.8711, 0.2923,
0.3685


 6.4853, 0.2418,
0.4682


 28.8005, 0.2719,
0.4084


 3.1423, 0.2191,
0.5136

 41.6158, 0.2770,
0.3984

 1.2065, 0.1230,
0.6950

 57.7600, 0.2809,
0.3907

 0.0670, 0.0000,
1.0000

 77.6178, 0.2841,
0.3845


 0.0000, 0.0000,
0.0000


 101.5733, 0.2867,
0.3794


 130.0112, 0.2889,

0.3751

 163.3156, 0.2907,
0.3716


 11.6197, 0.2557,
0.4404


 11.6197, 0.2557,
0.4404

 11.6191, 0.2557,
0.4405

 11.7425, 0.2554,
0.4277

 11.8967, 0.2562,
0.4151

 12.1075, 0.2587,
0.4024

 12.3809, 0.2630,
0.3901

 12.7223, 0.2688,
0.3781

■ 13.1363, 0.2760,
0.3667

■ 13.6272, 0.2842,
0.3561

■ 14.1989, 0.2933,
0.3462

■ 14.8552, 0.3029,
0.3371

Harmonies

Analogous

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



11.6197, 0.3361, 0.4899



11.6197, 0.2557, 0.4404



11.6197, 0.1955, 0.3462

Triad

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



11.6197, 0.2557, 0.4404



11.6197, 0.2055, 0.1997



11.6197, 0.4832, 0.3574

Complementary

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



11.6197, 0.2557, 0.4404



3.4576, 0.5473, 0.2790

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.



11.6197, 0.4402, 0.2972



11.6197, 0.2557, 0.4404



11.6197, 0.2696, 0.2113

Square

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



11.6197, 0.2557, 0.4404



11.6197, 0.1716, 0.2149



11.6197, 0.3567, 0.2458



11.6197, 0.4705, 0.4199

Rectangle

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



11.6197, 0.2557, 0.4404



11.6197, 0.1732, 0.2872



11.6197, 0.3567, 0.2458



11.6197, 0.4751, 0.3368

Sweetspot

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



11.6202, 0.2557, 0.4404



23.8502, 0.2835, 0.3570



11.5747, 0.3219, 0.5825



5.4848, 0.2808, 0.3602



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.



11.6202, 0.2557, 0.4404



20.3828, 0.2566, 0.4437



9.0456, 0.2120, 0.2830



3.7965, 0.3037, 0.3364



13.9529, 0.2560, 0.4416



69.3384, 0.2579, 0.4485

Inverse Universe

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



3.4576, 0.5473, 0.2790



6.0467, 0.5542, 0.2827



3.7033, 0.6193, 0.3462



3.4188, 0.3226, 0.3218



4.1455, 0.5500, 0.2803



20.5020, 0.5639, 0.2880

Previews

White Background



This preview shows how the Yxy color 11.6197, 0.2557, 0.4404 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 11.6197, 0.2557, 0.4404 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 11.6197, 0.2557, 0.4404

Background



This preview shows how black text looks on a background with the Yxy color 11.6197, 0.2557, 0.4404.



This preview shows how white text looks on a background with the Yxy color 11.6197, 0.2557, 0.4404.

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

11.6197, 0.2557, 0.4404

Protanopia

11.6427, 0.3680, 0.3982

Deuteranopia

11.5556, 0.3687, 0.3646



Tritanopia

11.7075, 0.2327, 0.3084

Trichromacy



Original Color

11.6197, 0.2557, 0.4404

Protanomaly

10.8830, 0.3058, 0.4189

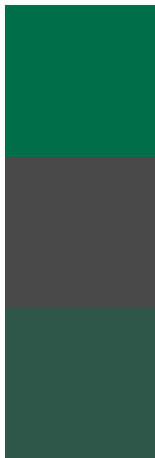
Deuteranomaly

10.7713, 0.3040, 0.3931

Tritanomaly

11.5914, 0.2389, 0.3533

Monochromacy



Original Color

11.6197, 0.2557, 0.4404

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.7175, 0.2711, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6197, 0.2557, 0.4404 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, 110, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 72)  
}
```

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, 110, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 72) }
```

Border

The CSS property to change the border of an element to Yxy 11.6197, 0.2557, 0.4404 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, 110, 72) }
```

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

```
.border{ border-color:rgb(0, 110, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 110, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6197, 0.2557, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 72) }
```

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

```
.background{ background-color: rgb(0, 110,  
72) }
```

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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