

Converting Colors

$Y_{xy}(9.5037, 0.1633, 0.4642)$

Have a look what the booklet for
Yxy(9.5037, 0.1633, 0.4642)
contains.

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Color

Yxy(11.1801, 0.2553, 0.4392)

Conversions

Conversions Part 1

Format	Color
Hex	006C47
RGB	0, 108, 71
RGB Percent	0%, 42%, 28%
CMY	1.0000, 0.5764, 0.7216
CMYK	1.00, 0.00, 0.34, 0.58
HSL	159°, 100%, 21%
HSV	159°, 100%, 42%
XYZ	6.4988, 11.1801, 7.7767
YIQ	71.4900, -52.4910, -34.4030

Conversions

Conversions Part 2

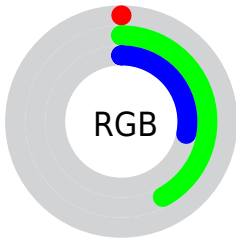
Format	Color
RYB	0, 65, 108
Decimal	27719
CIELab	39.88, -36.41, 13.37
CIELCh	40, 38.791, 159.841
Yxy	11.1801, 0.2553, 0.4392
Android (android.graphics.Color)	4278217799 (0xFF006C47)
YUV	71.4900, -0.2416, -62.6967
Hunter-Lab	33.4367, -23.8205, 9.6160

Details

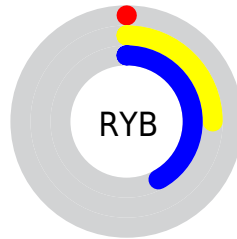
The Yxy color **11.1801, 0.2553, 0.4392** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.3221, 0.5483, 0.2794**, and the grayscale version is **6.3963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8754, 0.2713, 0.4059**, and **3.2071, 0.2697, 0.4910** is the 20% darker color. If you saturate the color by 10%, you get **11.1813, 0.2553, 0.4392**, and if you desaturate by 10%, it is **11.3000, 0.2552, 0.4266**.

Distribution



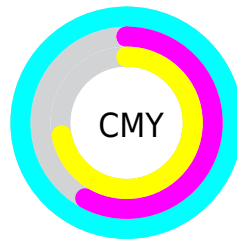
- Red (0%)
- Green (42%)
- Blue (28%)



- Red (0%)
- Yellow (25%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1801, 0.2553, 0.4392 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 11.1801, 0.2553, 0.4392 by changing the saturation by 10% instead.


 11.1801, 0.2553,
0.4392


 11.1801, 0.2553,
0.4392


198.8990, 0.2923,
0.3678


 6.1881, 0.2411,
0.4671

 27.9927, 0.2717,
0.4073


 2.9598, 0.2179,
0.5130


 40.5821, 0.2768,
0.3974

 1.1108, 0.0994,
0.7316

 56.4728, 0.2809,
0.3897


 0.0000, 0.0000,
0.0000


 76.0492, 0.2841,
0.3835


 99.6956, 0.2867,
0.3785


 127.7964, 0.2889,

0.3743


 160.7361, 0.2907,
0.3708

 11.1801, 0.2553,
0.4392


 11.1801, 0.2553,
0.4392


 11.1813, 0.2553,
0.4392

 11.3000, 0.2552,
0.4266

 11.4482, 0.2559,
0.4141

 11.6506, 0.2585,
0.4017

 11.9130, 0.2628,
0.3894

 12.2404, 0.2687,
0.3776

■ 12.6374, 0.2758,
0.3664

■ 13.1079, 0.2841,
0.3558

■ 13.6559, 0.2932,
0.3461

■ 14.2847, 0.3028,
0.3371

Harmonies

Analogous

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



11.1801, 0.3353, 0.4891



11.1801, 0.2553, 0.4392



11.1801, 0.1955, 0.3454

Triad

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



11.1801, 0.2553, 0.4392



11.1801, 0.2063, 0.2001



11.1801, 0.4827, 0.3580

Complementary

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



11.1801, 0.2553, 0.4392



3.3221, 0.5483, 0.2794

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.



11.1801, 0.4403, 0.2978



11.1801, 0.2553, 0.4392



11.1801, 0.2704, 0.2119

Square

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



11.1801, 0.2553, 0.4392



11.1801, 0.1722, 0.2151



11.1801, 0.3573, 0.2464



11.1801, 0.4697, 0.4202

Rectangle

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



11.1801, 0.2553, 0.4392



11.1801, 0.1735, 0.2867



11.1801, 0.3573, 0.2464



11.1801, 0.4747, 0.3374

Sweetspot

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



11.1813, 0.2553, 0.4392



22.9378, 0.2834, 0.3567



11.1346, 0.3220, 0.5825



5.4857, 0.2807, 0.3600



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.



11.1813, 0.2553, 0.4392



19.6055, 0.2562, 0.4424



8.7034, 0.2120, 0.2831



3.4751, 0.3038, 0.3362



13.3300, 0.2556, 0.4403



67.7545, 0.2576, 0.4473

Inverse Universe

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



3.3221, 0.5483, 0.2794



5.8110, 0.5550, 0.2831



3.5651, 0.6193, 0.3464



3.1323, 0.3225, 0.3219



3.9572, 0.5506, 0.2807



20.0146, 0.5649, 0.2886

Previews

White Background



This preview shows how the Yxy color 11.1801, 0.2553, 0.4392 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 11.1801, 0.2553, 0.4392 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 11.1801, 0.2553, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 11.1801, 0.2553, 0.4392.



This preview shows how white text looks on a background with the Yxy color 11.1801, 0.2553, 0.4392.

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

11.1801, 0.2553, 0.4392

Protanopia

11.1538, 0.3676, 0.3971

Deuteranopia

11.0715, 0.3682, 0.3629



Tritanopia

11.2603, 0.2331, 0.3081

Trichromacy



Original Color

11.1801, 0.2553, 0.4392

Protanomaly

10.4189, 0.3044, 0.4179

Deuteranomaly

10.3090, 0.3026, 0.3916

Tritanomaly

11.1419, 0.2393, 0.3537

Monochromacy



Original Color

11.1801, 0.2553, 0.4392

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.3535, 0.2717, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1801, 0.2553, 0.4392 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, 108, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 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(0, 108, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 71) }
```

Border

The CSS property to change the border of an element to Yxy 11.1801, 0.2553, 0.4392 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, 108, 71) }
```

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

```
.border{ border-color:rgb(0, 108, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 108, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.1801, 0.2553, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 71) }
```

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

```
.background{ background-color: rgb(0, 108,  
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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