

Converting Colors

$Y_{xy}(10.9710, 0.2560, 0.4416)$

Have a look what the booklet for
Yxy(10.9710, 0.2560, 0.4416)
contains.

Yxy(10.9576, 0.2556, 0.4402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.9576, 0.2556, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	006B46
RGB	0, 107, 70
RGB Percent	0%, 42%, 27%
CMY	1.0000, 0.5804, 0.7255
CMYK	1.00, 0.00, 0.35, 0.58
HSL	159°, 100%, 21%
HSV	159°, 100%, 42%
XYZ	6.3625, 10.9576, 7.5722
YIQ	70.7890, -51.8950, -34.1910

Conversions

Conversions Part 2

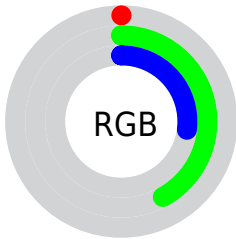
Format	Color
RYB	0, 65, 107
Decimal	27462
CIELab	39.51, -36.25, 13.46
CIELCh	40, 38.664, 159.629
Yxy	10.9576, 0.2556, 0.4402
Android (android.graphics.Color)	4278217542 (0xFF006B46)
YUV	70.7890, -0.3890, -62.0820
Hunter-Lab	33.1023, -23.6201, 9.6088

Details

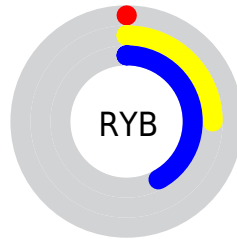
The Yxy color **10.9576, 0.2556, 0.4402** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.2597, 0.5468, 0.2786**, and the grayscale version is **6.2710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5059, 0.2718, 0.4063**, and **3.1007, 0.2703, 0.4932** is the 20% darker color. If you saturate the color by 10%, you get **10.9583, 0.2556, 0.4402**, and if you desaturate by 10%, it is **11.0756, 0.2554, 0.4275**.

Distribution



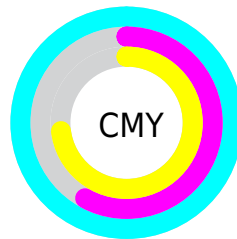
- Red (0%)
- Green (42%)
- Blue (27%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.9576, 0.2556, 0.4402 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 10.9576, 0.2556, 0.4402 by changing the saturation by 10% instead.


 10.9576, 0.2556,
0.4402


 10.9576, 0.2556,
0.4402


197.3764, 0.2925,
0.3679


 6.0383, 0.2413,
0.4686

 27.5817, 0.2720,
0.4079


 2.8684, 0.2178,
0.5156

 40.0554, 0.2772,
0.3978

 1.0634, 0.0836,
0.7681

 55.8160, 0.2812,
0.3900


 0.0000, 0.0000,
0.0000


 75.2479, 0.2843,
0.3838

 98.7355, 0.2869,
0.3787


 126.6632, 0.2891,

0.3745


 159.4153, 0.2910,
0.3710


 10.9576, 0.2556,
0.4402

 10.9576, 0.2556,
0.4402


 10.9583, 0.2556,
0.4402

 11.0756, 0.2554,
0.4275

 11.2215, 0.2562,
0.4149

 11.4204, 0.2588,
0.4023

 11.6782, 0.2631,
0.3900

 11.9996, 0.2689,
0.3780

■ 12.3892, 0.2760,
0.3667

■ 12.8509, 0.2842,
0.3561

■ 13.3883, 0.2933,
0.3462

■ 14.0049, 0.3028,
0.3372

Harmonies

Analogous

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



10.9576, 0.3359, 0.4898



10.9576, 0.2556, 0.4402



10.9576, 0.1954, 0.3461

Triad

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



10.9576, 0.2556, 0.4402



10.9576, 0.2057, 0.1997



10.9576, 0.4832, 0.3576

Complementary

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



10.9576, 0.2556, 0.4402



3.2597, 0.5468, 0.2786

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.



10.9576, 0.4403, 0.2973



10.9576, 0.2556, 0.4402



10.9576, 0.2697, 0.2114

Square

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



10.9576, 0.2556, 0.4402



10.9576, 0.1717, 0.2149



10.9576, 0.3568, 0.2459



10.9576, 0.4704, 0.4200

Rectangle

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



10.9576, 0.2556, 0.4402



10.9576, 0.1733, 0.2870



10.9576, 0.3568, 0.2459



10.9576, 0.4750, 0.3369

Sweetspot

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



10.9583, 0.2556, 0.4402



22.9342, 0.2835, 0.3569



10.9180, 0.3221, 0.5825



5.4847, 0.2808, 0.3603



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.



10.9583, 0.2556, 0.4402



19.5974, 0.2565, 0.4436



8.5358, 0.2120, 0.2831



3.4750, 0.3038, 0.3363



13.3245, 0.2560, 0.4414



67.7262, 0.2579, 0.4485

Inverse Universe

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



3.2597, 0.5468, 0.2786



5.8149, 0.5537, 0.2824



3.4981, 0.6192, 0.3466



3.1325, 0.3225, 0.3218



3.9599, 0.5493, 0.2800



20.0273, 0.5637, 0.2879

Previews

White Background



This preview shows how the Yxy color 10.9576, 0.2556, 0.4402 looks on a white background.

Color Contrast Check

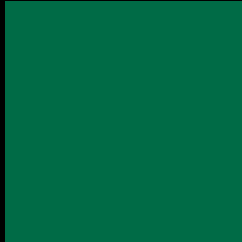
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9576, 0.2556, 0.4402 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 10.9576, 0.2556, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 10.9576, 0.2556, 0.4402.



This preview shows how white text looks on a background with the Yxy color 10.9576, 0.2556, 0.4402.

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

10.9576, 0.2556, 0.4402

Protanopia

10.9656, 0.3698, 0.3973

Deuteranopia

10.8273, 0.3688, 0.3632



Tritanopia

11.0218, 0.2327, 0.3080

Trichromacy



Original Color

10.9576, 0.2556, 0.4402

Protanomaly

10.2187, 0.3057, 0.4185

Deuteranomaly

10.1120, 0.3039, 0.3920

Tritanomaly

10.9210, 0.2396, 0.3539

Monochromacy



Original Color

10.9576, 0.2556, 0.4402

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 10.9576, 0.2556, 0.4402 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, 107, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 70)  
}
```

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, 107, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 70) }
```

Border

The CSS property to change the border of an element to Yxy 10.9576, 0.2556, 0.4402 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, 107, 70) }
```

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

```
.border{ border-color:rgb(0, 107, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.9576, 0.2556, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 70) }
```

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

```
.background{ background-color: rgb(0, 107,  
70) }
```

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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