

Converting Colors

$Y_{xy}(8.6088, 0.0990, 0.5726)$

Have a look what the booklet for
Yxy(8.6088, 0.0990, 0.5726)
contains.

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Color

$Y_{xy}(10.9822, 0.2710, 0.4956)$

Conversions

Conversions Part 1

Format	Color
Hex	006C35
RGB	0, 108, 53
RGB Percent	0%, 42%, 21%
CMY	1.0000, 0.5765, 0.7921
CMYK	1.00, 0.00, 0.51, 0.58
HSL	149°, 100%, 21%
HSV	149°, 100%, 42%
XYZ	6.0052, 10.9822, 5.1720
YIQ	69.4380, -46.7130, -40.0010

Conversions

Conversions Part 2

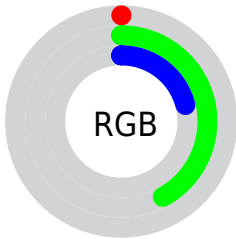
Format	Color
RYB	0, 72, 108
Decimal	27701
CIELab	39.55, -40.30, 23.34
CIElCh	40, 46.572, 149.916
Yxy	10.9822, 0.2710, 0.4956
Android (android.graphics.Color)	4278217781 (0xFF006C35)
YUV	69.4380, -8.1039, -60.8971
Hunter-Lab	33.1394, -25.6479, 13.9443

Details

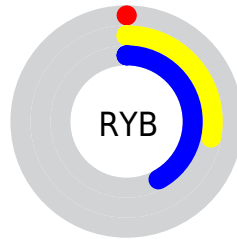
The Yxy color **10.9822, 0.2710, 0.4956** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.4641, 0.4821, 0.2429**, and the grayscale version is **6.0465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4589, 0.2850, 0.4448**, and **3.1455, 0.2920, 0.5713** is the 20% darker color. If you saturate the color by 10%, you get **10.9827, 0.2710, 0.4956**, and if you desaturate by 10%, it is **11.1060, 0.2697, 0.4774**.

Distribution



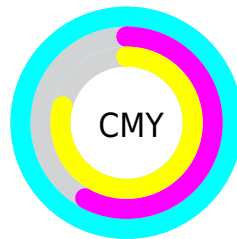
- Red (0%)
- Green (42%)
- Blue (21%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9822, 0.2710, 0.4956 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 10.9822, 0.2710, 0.4956 by changing the saturation by 10% instead.


 10.9822, 0.2710,
0.4956


 10.9822, 0.2710,
0.4956


197.5454, 0.3006,
0.3859


 6.0549, 0.2572,
0.5391

 27.6272, 0.2853,
0.4461


 2.8785, 0.2331,
0.6127


 40.1138, 0.2894,
0.4308

 1.0686, 0.0194,
0.9806

 55.8888, 0.2924,
0.4191


 0.0000, 0.0000,
0.0000


 75.3367, 0.2948,
0.4097

 98.8419, 0.2967,
0.4021


 126.7889, 0.2982,


0.3958


 159.5619, 0.2995,
0.3905


 10.9822, 0.2710,
0.4956


 10.9822, 0.2710,
0.4956


 10.9827, 0.2710,
0.4956

 11.1060, 0.2697,
0.4774

 11.2619, 0.2693,
0.4588

 11.4751, 0.2706,
0.4398

 11.7516, 0.2736,
0.4210

 12.0965, 0.2781,
0.4028

■ 12.5146, 0.2837,
0.3855

■ 13.0099, 0.2903,
0.3694

■ 13.5863, 0.2974,
0.3546

■ 14.2474, 0.3050,
0.3411

Harmonies

Analogous

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



10.9822, 0.3663, 0.5234



10.9822, 0.2710, 0.4956



10.9822, 0.1923, 0.3871

Triad

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



10.9822, 0.2710, 0.4956



10.9822, 0.1719, 0.1810



10.9822, 0.5073, 0.3344

Complementary

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



10.9822, 0.2710, 0.4956



3.4641, 0.4821, 0.2429

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.



10.9822, 0.4365, 0.2695



10.9822, 0.2710, 0.4956



10.9822, 0.2331, 0.1858

Square

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



10.9822, 0.2710, 0.4956



10.9822, 0.1449, 0.2074



10.9822, 0.3287, 0.2169



10.9822, 0.5091, 0.4052

Rectangle

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



10.9822, 0.2710, 0.4956



10.9822, 0.1599, 0.3084



10.9822, 0.3287, 0.2169



10.9822, 0.4907, 0.3120

Sweetspot

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



10.9827, 0.2710, 0.4956



22.7634, 0.2897, 0.3707



11.5606, 0.3422, 0.5665



5.4400, 0.2876, 0.3757



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.



10.9827, 0.2710, 0.4956



19.2569, 0.2722, 0.5001



11.7704, 0.2260, 0.3336



3.4672, 0.3058, 0.3398



13.0937, 0.2714, 0.4971



66.5435, 0.2741, 0.5068

Inverse Universe

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



3.4641, 0.4821, 0.2429



6.0575, 0.4875, 0.2459



3.1922, 0.6368, 0.3281



3.1401, 0.3203, 0.3184



4.1261, 0.4839, 0.2439



20.8484, 0.4957, 0.2504

Previews

White Background



This preview shows how the Yxy color 10.9822, 0.2710, 0.4956 looks on a white background.

Color Contrast Check

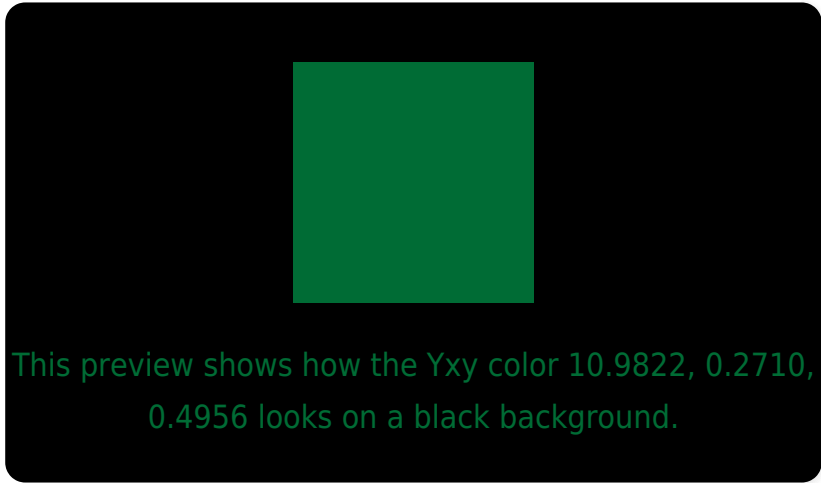
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 10.9822, 0.2710, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 10.9822, 0.2710, 0.4956.



This preview shows how white text looks on a background with the Yxy color 10.9822, 0.2710, 0.4956.

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

10.9822, 0.2710, 0.4956

Protanopia

10.9257, 0.3962, 0.4311

Deuteranopia

10.9610, 0.4033, 0.3966



Tritanopia

11.0999, 0.2354, 0.3081

Trichromacy



Original Color

10.9822, 0.2710, 0.4956

Protanomaly

10.1239, 0.3282, 0.4621

Deuteranomaly

10.0290, 0.3309, 0.4384

Tritanomaly

10.8415, 0.2460, 0.3715

Monochromacy



Original Color

10.9822, 0.2710, 0.4956

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

7.0809, 0.2807, 0.3953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9822, 0.2710, 0.4956 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 53) }
```

Border

The CSS property to change the border of an element to Yxy 10.9822, 0.2710, 0.4956 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, 53) }
```

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

```
.border{ border-color:rgb(0, 108, 53) }
```

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, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 108, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.9822, 0.2710, 0.4956 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, 53) }
```

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

```
.background{ background-color: rgb(0, 108,  
53) }
```

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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