

Converting Colors

$Y_{xy}(9.4389, 0.1843, 0.5318)$

Have a look what the booklet for
Yxy(9.4389, 0.1843, 0.5318)
contains.

Yxy(10.7724, 0.2705, 0.4939)	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(10.7724, 0.2705, 0.4939)

Conversions

Conversions Part 1

Format	Color
Hex	006B35
RGB	0, 107, 53
RGB Percent	0%, 42%, 21%
CMY	1.0000, 0.5804, 0.7921
CMYK	1.00, 0.00, 0.50, 0.58
HSL	150°, 100%, 21%
HSV	150°, 100%, 42%
XYZ	5.8998, 10.7724, 5.1386
YIQ	68.8510, -46.4380, -39.4780

Conversions

Conversions Part 2

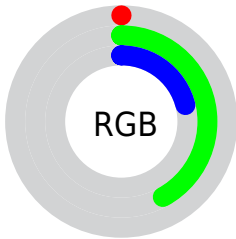
Format	Color
RYB	0, 72, 107
Decimal	27445
CIELab	39.19, -39.93, 22.89
CIELCh	39, 46.028, 150.183
Yxy	10.7724, 0.2705, 0.4939
Android (android.graphics.Color)	4278217525 (0xFF006B35)
YUV	68.8510, -7.8145, -60.3823
Hunter-Lab	32.8213, -25.3508, 13.6922

Details

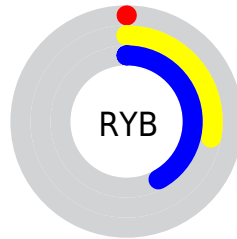
The Yxy color **10.7724, 0.2705, 0.4939** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.3922, 0.4838, 0.2439**, and the grayscale version is **5.9450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1136, 0.2848, 0.4433**, and **3.0436, 0.2918, 0.5704** is the 20% darker color. If you saturate the color by 10%, you get **10.7733, 0.2705, 0.4939**, and if you desaturate by 10%, it is **10.8950, 0.2693, 0.4758**.

Distribution



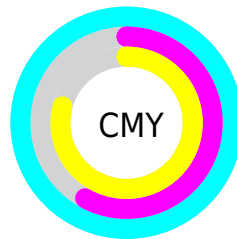
- Red (0%)
- Green (42%)
- Blue (21%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (58%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7724, 0.2705, 0.4939 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 10.7724, 0.2705, 0.4939 by changing the saturation by 10% instead.


 10.7724, 0.2705,
0.4939


 10.7724, 0.2705,
0.4939


196.0994, 0.3004,
0.3851


 5.9140, 0.2566,
0.5373

 27.2385, 0.2849,
0.4447


 2.7929, 0.2324,
0.6114


 39.6150, 0.2890,
0.4296

 1.0246, 0.0000,
1.0000

 55.2664, 0.2921,
0.4179

 0.0000, 0.0000,
0.0000

 74.5770, 0.2945,
0.4086

 97.9311, 0.2964,
0.4011

 125.7133, 0.2980,

0.3949


 158.3079, 0.2993,
0.3896

 10.7724, 0.2705,
0.4939

 10.7724, 0.2705,
0.4939

 10.7733, 0.2705,
0.4939

 10.8950, 0.2693,
0.4758

 11.0480, 0.2689,
0.4573

 11.2572, 0.2703,
0.4386

 11.5282, 0.2733,
0.4200

 11.8660, 0.2778,
0.4020

■ 12.2753, 0.2835,
0.3849

■ 12.7601, 0.2901,
0.3690

■ 13.3241, 0.2973,
0.3543

■ 13.9709, 0.3049,
0.3410

Harmonies

Analogous

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



10.7724, 0.3654, 0.5225



10.7724, 0.2705, 0.4939



10.7724, 0.1923, 0.3857

Triad

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



10.7724, 0.2705, 0.4939



10.7724, 0.1729, 0.1815



10.7724, 0.5066, 0.3352

Complementary

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



10.7724, 0.2705, 0.4939



3.3922, 0.4838, 0.2439

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.



10.7724, 0.4367, 0.2703



10.7724, 0.2705, 0.4939



10.7724, 0.2342, 0.1865

Square

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



10.7724, 0.2705, 0.4939



10.7724, 0.1457, 0.2076



10.7724, 0.3297, 0.2177



10.7724, 0.5079, 0.4057

Rectangle

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



10.7724, 0.2705, 0.4939



10.7724, 0.1603, 0.3076



10.7724, 0.3297, 0.2177



10.7724, 0.4904, 0.3127

Sweetspot

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



10.7733, 0.2705, 0.4939



22.7682, 0.2895, 0.3703



11.3364, 0.3422, 0.5665



5.4412, 0.2874, 0.3753



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.



10.7733, 0.2705, 0.4939



19.2651, 0.2718, 0.4985



11.5406, 0.2260, 0.3336



3.4675, 0.3057, 0.3397



13.0993, 0.2710, 0.4956



66.5716, 0.2737, 0.5052

Inverse Universe

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



3.3922, 0.4838, 0.2439



6.0490, 0.4894, 0.2470



3.1299, 0.6367, 0.3281



3.1399, 0.3203, 0.3185



4.1203, 0.4858, 0.2450



20.8192, 0.4977, 0.2515

Previews

White Background



This preview shows how the Yxy color 10.7724, 0.2705, 0.4939 looks on a white background.

Color Contrast Check

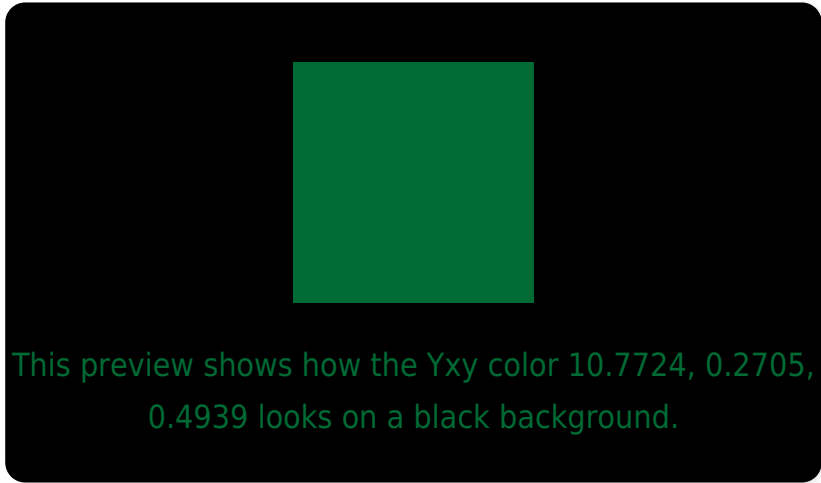
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7724, 0.2705, 0.4939

Background



This preview shows how black text looks on a background with the Yxy color 10.7724, 0.2705, 0.4939.



This preview shows how white text looks on a background with the Yxy color 10.7724, 0.2705, 0.4939.

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

10.7724, 0.2705, 0.4939

Protanopia

10.6925, 0.3956, 0.4299

Deuteranopia

10.6644, 0.4009, 0.3955



Tritanopia

10.8829, 0.2357, 0.3079

Trichromacy



Original Color

10.7724, 0.2705, 0.4939

Protanomaly

9.9035, 0.3271, 0.4608

Deuteranomaly

9.8095, 0.3297, 0.4368

Tritanomaly

10.6414, 0.2454, 0.3688

Monochromacy



Original Color

10.7724, 0.2705, 0.4939

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 10.7724, 0.2705, 0.4939 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 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, 107, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 53) }
```

Border

The CSS property to change the border of an element to Yxy 10.7724, 0.2705, 0.4939 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, 53) }
```

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

```
.border{ border-color:rgb(0, 107, 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, 107, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7724, 0.2705, 0.4939 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, 53) }
```

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

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