

Converting Colors

$Y_{xy}(9.7860, 0.2656, 0.4760)$

Have a look what the booklet for
Yxy(9.7860, 0.2656, 0.4760)
contains.

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Color

$Y_{xy}(9.7883, 0.2654, 0.4752)$

Conversions

Conversions Part 1

Format	Color
Hex	006638
RGB	0, 102, 56
RGB Percent	0%, 40%, 22%
CMY	0.9994, 0.6000, 0.7804
CMYK	1.00, 0.00, 0.45, 0.60
HSL	153°, 100%, 20%
HSV	153°, 100%, 40%
XYZ	5.4668, 9.7883, 5.3432
YIQ	66.2580, -46.0260, -35.9300

Conversions

Conversions Part 2

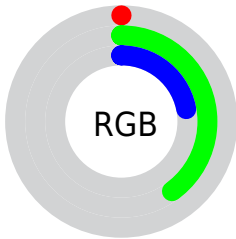
Format	Color
RYB	0, 66, 102
Decimal	26168
CIELab	37.46, -37.43, 18.95
CIELCh	37, 41.949, 153.145
Yxy	9.7883, 0.2654, 0.4752
Android (android.graphics.Color)	4278216248 (0xFF006638)
YUV	66.2580, -5.0572, -58.1083
Hunter-Lab	31.2863, -23.5609, 11.7746

Details

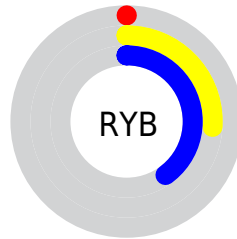
The Yxy color **9.7883, 0.2654, 0.4752** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.0266, 0.5034, 0.2549**, and the grayscale version is **5.5116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.4128, 0.2804, 0.4298**, and **2.6674, 0.2851, 0.5464** is the 20% darker color. If you saturate the color by 10%, you get **9.7869, 0.2654, 0.4755**, and if you desaturate by 10%, it is **9.9017, 0.2647, 0.4587**.

Distribution



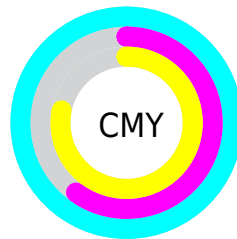
- Red (0%)
- Green (40%)
- Blue (22%)



- Red (0%)
- Yellow (26%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 9.7883, 0.2654, 0.4752 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 9.7883, 0.2654, 0.4752 by changing the saturation by 10% instead.


 9.7883, 0.2654,
0.4752


 9.7883, 0.2654,
0.4752

189.1544, 0.2979,
0.3780


 5.2588, 0.2509,
0.5152

 25.3965, 0.2808,
0.4308


 2.3999, 0.2256,
0.5845


 37.2441, 0.2853,
0.4173

 0.8258, 0.0000,
1.0000

 52.2998, 0.2887,
0.4069


 0.0000, 0.0000,
0.0000


 70.9481, 0.2913,
0.3987


 93.5733, 0.2935,
0.3921


 120.5598, 0.2952,


0.3866


 152.2920, 0.2967,
0.3820

 9.7883, 0.2654,
0.4752


 9.7883, 0.2654,
0.4752


 9.7869, 0.2654,
0.4755

 9.9017, 0.2647,
0.4587

 10.0409, 0.2647,
0.4422

 10.2297, 0.2666,
0.4255

 10.4729, 0.2701,
0.4091

 10.7751, 0.2751,
0.3933

■ 11.1402, 0.2813,
0.3782

■ 11.5717, 0.2884,
0.3642

■ 12.0730, 0.2962,
0.3513

■ 12.6471, 0.3044,
0.3395

Harmonies

Analogous

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



9.7883, 0.3555, 0.5123



9.7883, 0.2654, 0.4752



9.7883, 0.1933, 0.3713

Triad

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



9.7883, 0.2654, 0.4752



9.7883, 0.1837, 0.1876



9.7883, 0.4988, 0.3429

Complementary

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



9.7883, 0.2654, 0.4752



3.0266, 0.5034, 0.2549

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.



9.7883, 0.4384, 0.2795



9.7883, 0.2654, 0.4752



9.7883, 0.2462, 0.1949

Square

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



9.7883, 0.2654, 0.4752



9.7883, 0.1543, 0.2100



9.7883, 0.3392, 0.2272



9.7883, 0.4952, 0.4110

Rectangle

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



9.7883, 0.2654, 0.4752



9.7883, 0.1646, 0.3001



9.7883, 0.3392, 0.2272



9.7883, 0.4855, 0.3210

Sweetspot

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



9.7887, 0.2654, 0.4752



20.2129, 0.2876, 0.3656



10.1232, 0.3360, 0.5712



4.7138, 0.2855, 0.3696



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9.7887, 0.2654, 0.4752



17.1430, 0.2666, 0.4798



9.8088, 0.2220, 0.3191



3.1654, 0.3052, 0.3385



12.5626, 0.2660, 0.4775



65.3423, 0.2685, 0.4868

Inverse Universe

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



3.0266, 0.5034, 0.2549



5.2791, 0.5101, 0.2584



2.9022, 0.6347, 0.3338



2.8651, 0.3210, 0.3197



3.8743, 0.5068, 0.2566



20.0344, 0.5203, 0.2640

Previews

White Background



This preview shows how the Yxy color 9.7883, 0.2654, 0.4752 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 ✓ Pass

Black Background



This preview shows how the Yxy color 9.7883, 0.2654, 0.4752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 9.7883, 0.2654, 0.4752

Background



This preview shows how black text looks on a background with the Yxy color 9.7883, 0.2654, 0.4752.



This preview shows how white text looks on a background with the Yxy color 9.7883, 0.2654, 0.4752.

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

9.7883, 0.2654, 0.4752

Protanopia

9.7599, 0.3867, 0.4186

Deuteranopia

9.6701, 0.3908, 0.3852



Tritanopia

9.7773, 0.2349, 0.3070

Trichromacy



Original Color

9.7883, 0.2654, 0.4752

Protanomaly

9.1099, 0.3202, 0.4458

Deuteranomaly

8.9912, 0.3206, 0.4212

Tritanomaly

9.6177, 0.2429, 0.3614

Monochromacy



Original Color

9.7883, 0.2654, 0.4752

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

6.4320, 0.2782, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 9.7883, 0.2654, 0.4752 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, 102, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 56)  
}
```

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, 102, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 56) }
```

Border

The CSS property to change the border of an element to Yxy 9.7883, 0.2654, 0.4752 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, 102, 56) }
```

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

```
.border{ border-color:rgb(0, 102, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 9.7883, 0.2654, 0.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 56) }
```

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

```
.background{ background-color: rgb(0, 102,  
56) }
```

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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