

Converting Colors

$Y_{xy}(10.4762, 0.2452, 0.4190)$

Have a look what the booklet for
Yxy(10.4762, 0.2452, 0.4190)
contains.

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Color

Yxy(10.6112, 0.2498, 0.4193)

Conversions

Conversions Part 1

Format	Color
Hex	00694B
RGB	0, 105, 75
RGB Percent	0%, 41%, 29%
CMY	1.0000, 0.5882, 0.7058
CMYK	1.00, 0.00, 0.29, 0.59
HSL	163°, 100%, 21%
HSV	163°, 100%, 41%
XYZ	6.3217, 10.6112, 8.3741
YIQ	70.1850, -52.9500, -31.5900

Conversions

Conversions Part 2

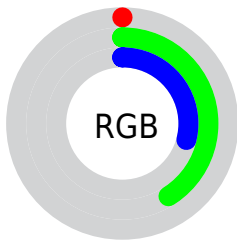
Format	Color
RYB	0, 61, 105
Decimal	26955
CIELab	38.92, -34.13, 9.63
CIELCh	39, 35.466, 164.240
Yxy	10.6112, 0.2498, 0.4193
Android (android.graphics.Color)	4278217035 (0xFF00694B)
YUV	70.1850, 2.3738, -61.5522
Hunter-Lab	32.5748, -22.3652, 7.5606

Details

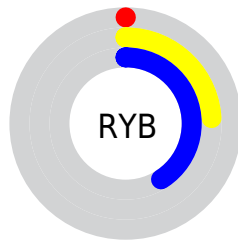
The Yxy color **10.6112, 0.2498, 0.4193** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.0971, 0.5683, 0.2904**, and the grayscale version is **6.1602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9088, 0.2671, 0.3928**, and **3.0252, 0.2621, 0.4636** is the 20% darker color. If you saturate the color by 10%, you get **10.6118, 0.2498, 0.4193**, and if you desaturate by 10%, it is **10.7216, 0.2502, 0.4090**.

Distribution



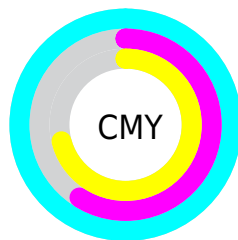
- Red (0%)
- Green (41%)
- Blue (29%)



- Red (0%)
- Yellow (24%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (59%)




- Cyan (100%)
- Magenta (59%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6112, 0.2498, 0.4193 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 10.6112, 0.2498, 0.4193 by changing the saturation by 10% instead.


 10.6112, 0.2498,
0.4193


 10.6112, 0.2498,
0.4193


194.9804, 0.2898,
0.3609


 5.8060, 0.2348,
0.4421

 26.9389, 0.2674,
0.3933


 2.7275, 0.2108,
0.4797


 39.2303, 0.2729,
0.3852

 0.9912, 0.0702,
0.6618

 54.7859, 0.2773,
0.3789


 0.0000, 0.0000,
0.0000


 73.9900, 0.2808,
0.3738

 97.2271, 0.2836,
0.3697


 124.8816, 0.2860,


0.3663

 157.3379, 0.2881,
0.3634


 10.6112, 0.2498,
0.4193

 10.6112, 0.2498,
0.4193

 10.6118, 0.2498,
0.4193

 10.7216, 0.2502,
0.4090

 10.8573, 0.2515,
0.3988

 11.0430, 0.2545,
0.3886

 11.2841, 0.2593,
0.3786

 11.5854, 0.2656,
0.3690

■ 11.9508, 0.2733,
0.3598

■ 12.3844, 0.2821,
0.3512

■ 12.8894, 0.2918,
0.3431

■ 13.4693, 0.3020,
0.3357

Harmonies

Analogous

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



10.6112, 0.3236, 0.4742



10.6112, 0.2498, 0.4193



10.6112, 0.1971, 0.3320

Triad

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



10.6112, 0.2498, 0.4193



10.6112, 0.2200, 0.2076



10.6112, 0.4728, 0.3664

Complementary

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



10.6112, 0.2498, 0.4193



3.0971, 0.5683, 0.2904

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.



10.6112, 0.4403, 0.3084



10.6112, 0.2498, 0.4193



10.6112, 0.2845, 0.2221

Square

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



10.6112, 0.2498, 0.4193



10.6112, 0.1832, 0.2183



10.6112, 0.3670, 0.2577



10.6112, 0.4547, 0.4244

Rectangle

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



10.6112, 0.2498, 0.4193



10.6112, 0.1790, 0.2800



10.6112, 0.3670, 0.2577



10.6112, 0.4677, 0.3467

Sweetspot

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



10.6118, 0.2498, 0.4193



22.1028, 0.2813, 0.3519



10.4027, 0.3174, 0.5862



5.1200, 0.2786, 0.3545



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.6118, 0.2498, 0.4193



18.9799, 0.2506, 0.4221



7.3609, 0.2075, 0.2670



3.4779, 0.3031, 0.3350



13.4296, 0.2501, 0.4205



68.2746, 0.2518, 0.4263

Inverse Universe

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



3.0971, 0.5683, 0.2904



5.5264, 0.5754, 0.2944



3.5397, 0.6097, 0.3541



3.1297, 0.3233, 0.3231



3.9153, 0.5714, 0.2922



19.8176, 0.5856, 0.2999

Previews

White Background



This preview shows how the Yxy color 10.6112, 0.2498, 0.4193 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 10.6112, 0.2498, 0.4193 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 10.6112, 0.2498, 0.4193

Background



This preview shows how black text looks on a background with the Yxy color 10.6112, 0.2498, 0.4193.



This preview shows how white text looks on a background with the Yxy color 10.6112, 0.2498, 0.4193.

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

10.6112, 0.2498, 0.4193

Protanopia

10.5085, 0.3583, 0.3821

Deuteranopia

10.5472, 0.3559, 0.3499



Tritanopia

10.7688, 0.2317, 0.3077

Trichromacy



Original Color

10.6112, 0.2498, 0.4193

Protanomaly

9.8448, 0.2967, 0.3997

Deuteranomaly

9.7488, 0.2944, 0.3732

Tritanomaly

10.5364, 0.2355, 0.3428

Monochromacy



Original Color

10.6112, 0.2498, 0.4193

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.2123, 0.2700, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6112, 0.2498, 0.4193 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, 105, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 75)  
}
```

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, 105, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 75) }
```

Border

The CSS property to change the border of an element to Yxy 10.6112, 0.2498, 0.4193 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, 105, 75) }
```

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

```
.border{ border-color:rgb(0, 105, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 105, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6112, 0.2498, 0.4193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 75) }
```

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

```
.background{ background-color: rgb(0, 105,  
75) }
```

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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