

Converting Colors

$Y_{xy}(8.2620, 0.1176, 0.4277)$

Have a look what the booklet for
Yxy(8.2620, 0.1176, 0.4277)
contains.

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Color

Yxy(10.2650, 0.2448, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	00674F
RGB	0, 103, 79
RGB Percent	0%, 40%, 31%
CMY	1.0000, 0.5961, 0.6902
CMYK	1.00, 0.00, 0.23, 0.60
HSL	166°, 100%, 20%
HSV	166°, 100%, 40%
XYZ	6.2603, 10.2650, 9.0477
YIQ	69.4670, -53.6840, -29.3000

Conversions

Conversions Part 2

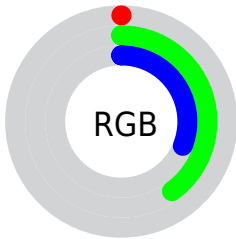
Format	Color
RYB	0, 58, 103
Decimal	26447
CIELab	38.31, -32.19, 6.37
CIELCh	38, 32.812, 168.806
Yxy	10.2650, 0.2448, 0.4014
Android (android.graphics.Color)	4278216527 (0xFF00674F)
YUV	69.4670, 4.6998, -60.9226
Hunter-Lab	32.0390, -21.1903, 5.6840

Details

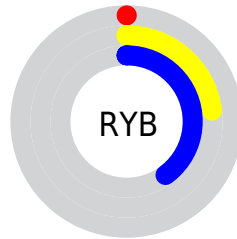
The Yxy color **10.2650, 0.2448, 0.4014** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.9499, 0.5853, 0.2998**, and the grayscale version is **6.0311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3408, 0.2636, 0.3812**, and **2.8537, 0.2539, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **10.2661, 0.2448, 0.4014**, and if you desaturate by 10%, it is **10.3682, 0.2457, 0.3932**.

Distribution



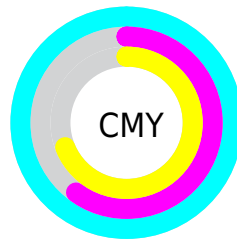
- Red (0%)
- Green (40%)
- Blue (31%)



- Red (0%)
- Yellow (23%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (60%)




- Cyan (100%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2650, 0.2448, 0.4014 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 10.2650, 0.2448, 0.4014 by changing the saturation by 10% instead.


 10.2650, 0.2448,
0.4014


 10.2650, 0.2448,
0.4014


192.5531, 0.2876,
0.3549


 5.5750, 0.2291,
0.4193

 26.2928, 0.2634,
0.3808


 2.5884, 0.2042,
0.4487


 38.3993, 0.2694,
0.3743

 0.9209, 0.0568,
0.5877

 53.7469, 0.2740,
0.3693

 0.0000, 0.0000,
0.0000


 72.7198, 0.2778,
0.3653

 95.7025, 0.2809,
0.3620

 123.0793, 0.2835,

0.3592

 155.2347, 0.2857,
0.3569

 10.2650, 0.2448,
0.4014


 10.2650, 0.2448,
0.4014


 10.2661, 0.2448,
0.4014

 10.3682, 0.2457,
0.3932

 10.4937, 0.2475,
0.3850

 10.6666, 0.2509,
0.3769

 10.8918, 0.2561,
0.3690

 11.1740, 0.2628,
0.3613

■ 11.5169, 0.2710,
0.3539

■ 11.9243, 0.2803,
0.3469

■ 12.3994, 0.2905,
0.3404

■ 12.9454, 0.3014,
0.3345

Harmonies

Analogous

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



10.2650, 0.3127, 0.4596



10.2650, 0.2448, 0.4014



10.2650, 0.1987, 0.3204

Triad

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



10.2650, 0.2448, 0.4014



10.2650, 0.2331, 0.2148



10.2650, 0.4633, 0.3741

Complementary

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



10.2650, 0.2448, 0.4014



2.9499, 0.5853, 0.2998

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.



10.2650, 0.4397, 0.3184



10.2650, 0.2448, 0.4014



10.2650, 0.2976, 0.2318

Square

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



10.2650, 0.2448, 0.4014



10.2650, 0.1937, 0.2214



10.2650, 0.3755, 0.2684



10.2650, 0.4406, 0.4277

Rectangle

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



10.2650, 0.2448, 0.4014



10.2650, 0.1842, 0.2742



10.2650, 0.3755, 0.2684



10.2650, 0.4608, 0.3553

Sweetspot

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



10.2661, 0.2448, 0.4014



21.2802, 0.2794, 0.3475



9.8963, 0.3120, 0.5905



5.1344, 0.2765, 0.3497



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.



10.2661, 0.2448, 0.4014



18.3622, 0.2455, 0.4037



6.0848, 0.2014, 0.2451



3.1748, 0.3026, 0.3338



12.9092, 0.2451, 0.4024



67.1892, 0.2464, 0.4072

Inverse Universe

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



2.9499, 0.5853, 0.2998



5.2649, 0.5922, 0.3036



3.6894, 0.5948, 0.3659



2.8559, 0.3239, 0.3242



3.7059, 0.5883, 0.3014



19.2116, 0.6020, 0.3090

Previews

White Background



This preview shows how the Yxy color 10.2650, 0.2448, 0.4014 looks on a white background.

Color Contrast Check

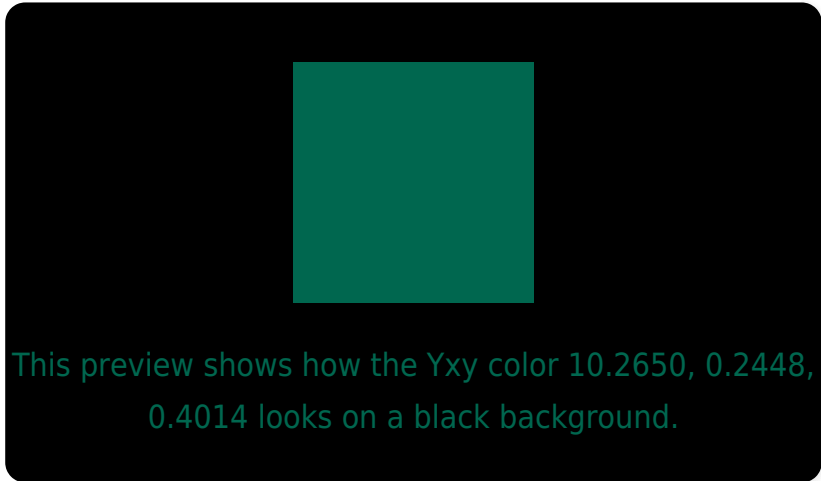
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2650, 0.2448, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 10.2650, 0.2448, 0.4014.



This preview shows how white text looks on a background with the Yxy color 10.2650, 0.2448, 0.4014.

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

10.2650, 0.2448, 0.4014

Protanopia

10.2802, 0.3490, 0.3706

Deuteranopia

10.2657, 0.3445, 0.3385



Tritanopia

10.2923, 0.2302, 0.3073

Trichromacy



Original Color

10.2650, 0.2448, 0.4014

Protanomaly

9.6845, 0.2902, 0.3856

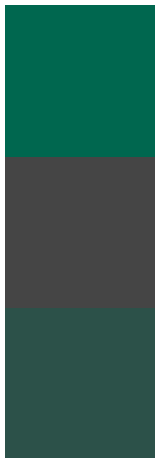
Deuteranomaly

9.5617, 0.2863, 0.3594

Tritanomaly

10.1261, 0.2333, 0.3373

Monochromacy



Original Color

10.2650, 0.2448, 0.4014

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.9014, 0.2666, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2650, 0.2448, 0.4014 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 $rgb(0, 103, 79)$ looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 79)  
}
```

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, 103, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 79) }
```

Border

The CSS property to change the border of an element to Yxy 10.2650, 0.2448, 0.4014 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, 103, 79) }
```

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

```
.border{ border-color:rgb(0, 103, 79) }
```

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

Here you see how a box with a 4 pixel rgb(0, 103, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 103, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2650, 0.2448, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 79) }
```

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

```
.background{ background-color: rgb(0, 103,  
79) }
```

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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