

Converting Colors

$Y_{xy}(10.0100, 0.2478, 0.4121)$

Have a look what the booklet for
Yxy(10.0100, 0.2478, 0.4121)
contains.

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Color

Yxy(10.0107, 0.2478, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	00664B
RGB	0, 102, 75
RGB Percent	0%, 40%, 29%
CMY	0.9995, 0.6000, 0.7059
CMYK	1.00, 0.00, 0.26, 0.60
HSL	164°, 100%, 20%
HSV	164°, 100%, 40%
XYZ	6.0225, 10.0107, 8.2706
YIQ	68.4240, -52.1250, -30.0210

Conversions

Conversions Part 2

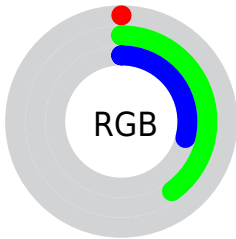
Format	Color
RYB	0, 59, 102
Decimal	26187
CIELab	37.86, -32.83, 8.16
CIELCh	38, 33.828, 166.034
Yxy	10.0107, 0.2478, 0.4119
Android (android.graphics.Color)	4278216267 (0xFF00664B)
YUV	68.4240, 3.2420, -60.0078
Hunter-Lab	31.6397, -21.3929, 6.6495

Details

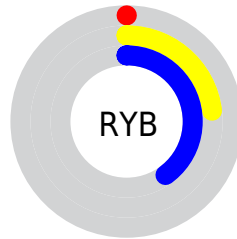
The Yxy color **10.0107, 0.2478, 0.4119** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **2.9075, 0.5740, 0.2938**, and the grayscale version is **5.8603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8685, 0.2656, 0.3877**, and **2.7373, 0.2591, 0.4528** is the 20% darker color. If you saturate the color by 10%, you get **10.0097, 0.2478, 0.4120**, and if you desaturate by 10%, it is **10.1147, 0.2485, 0.4024**.

Distribution



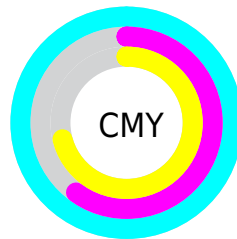
- Red (0%)
- Green (40%)
- Blue (29%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (60%)



- Cyan (100%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0107, 0.2478, 0.4119 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 10.0107, 0.2478, 0.4119 by changing the saturation by 10% instead.

10.0107, 0.2478,
0.4119

10.0107, 0.2478,
0.4119

190.7484, 0.2892,
0.3581

5.4061, 0.2323,
0.4330

25.8156, 0.2660,
0.3879

2.4874, 0.2072,
0.4683

37.7847, 0.2717,
0.3804

0.8703, 0.0203,
0.6837

52.9774, 0.2762,
0.3746


0.0000, 0.0000,
0.0000


71.7780, 0.2798,
0.3700


94.5710, 0.2828,
0.3662

121.7409, 0.2853,


0.3631


 153.6719, 0.2874,
0.3604


 10.0107, 0.2478,
0.4119


 10.0107, 0.2478,
0.4119

 10.0097, 0.2478,
0.4120

 10.1147, 0.2485,
0.4024

 10.2419, 0.2500,
0.3931

 10.4157, 0.2532,
0.3837

 10.6413, 0.2582,
0.3746

 10.9228, 0.2647,
0.3657

■ 11.2642, 0.2726,
0.3573

■ 11.6690, 0.2816,
0.3493

■ 12.1405, 0.2915,
0.3419

■ 12.6815, 0.3020,
0.3351

Harmonies

Analogous

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



10.0107, 0.3192, 0.4682



10.0107, 0.2478, 0.4119



10.0107, 0.1978, 0.3272

Triad

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



10.0107, 0.2478, 0.4119



10.0107, 0.2253, 0.2106



10.0107, 0.4689, 0.3695

Complementary

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



10.0107, 0.2478, 0.4119



2.9075, 0.5740, 0.2938

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.



10.0107, 0.4400, 0.3125



10.0107, 0.2478, 0.4119



10.0107, 0.2898, 0.2261

Square

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



10.0107, 0.2478, 0.4119



10.0107, 0.1875, 0.2196



10.0107, 0.3704, 0.2621



10.0107, 0.4489, 0.4258

Rectangle

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



10.0107, 0.2478, 0.4119



10.0107, 0.1812, 0.2776



10.0107, 0.3704, 0.2621



10.0107, 0.4649, 0.3502

Sweetspot

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



10.0111, 0.2478, 0.4119



20.3900, 0.2807, 0.3501



9.7397, 0.3147, 0.5881



4.7589, 0.2779, 0.3524



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.



10.0111, 0.2478, 0.4119



17.5372, 0.2485, 0.4146



6.4418, 0.2046, 0.2564



3.1734, 0.3030, 0.3345



12.8498, 0.2481, 0.4132



66.8688, 0.2497, 0.4188

Inverse Universe

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



2.9075, 0.5740, 0.2938



5.0763, 0.5815, 0.2977



3.4744, 0.6017, 0.3601



2.8573, 0.3235, 0.3236



3.7238, 0.5779, 0.2957



19.2942, 0.5922, 0.3036

Previews

White Background



This preview shows how the Yxy color 10.0107, 0.2478, 0.4119 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 10.0107, 0.2478, 0.4119 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 10.0107, 0.2478, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 10.0107, 0.2478, 0.4119.



This preview shows how white text looks on a background with the Yxy color 10.0107, 0.2478, 0.4119.

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

10.0107, 0.2478, 0.4119

Protanopia

10.0073, 0.3542, 0.3785

Deuteranopia

9.9868, 0.3499, 0.3457



Tritanopia

10.0993, 0.2310, 0.3072

Trichromacy



Original Color

10.0107, 0.2478, 0.4119

Protanomaly

9.4524, 0.2952, 0.3950

Deuteranomaly

9.2943, 0.2900, 0.3684

Tritanomaly

9.9093, 0.2347, 0.3402

Monochromacy



Original Color

10.0107, 0.2478, 0.4119

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.7058, 0.2675, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0107, 0.2478, 0.4119 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 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, 102, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 75) }
```

Border

The CSS property to change the border of an element to Yxy 10.0107, 0.2478, 0.4119 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, 75) }
```

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

```
.border{ border-color:rgb(0, 102, 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, 102, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0107, 0.2478, 0.4119 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, 75) }
```

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

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