

Converting Colors

$Y_{xy}(7.2350, 0.0110, 0.5546)$

Have a look what the booklet for
Yxy(7.2350, 0.0110, 0.5546)
contains.

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Color

Yxy(10.0267, 0.2623, 0.4641)

Conversions

Conversions Part 1

Format	Color
Hex	00673C
RGB	0, 103, 60
RGB Percent	0%, 40%, 24%
CMY	0.9995, 0.5961, 0.7647
CMYK	1.00, 0.00, 0.42, 0.60
HSL	155°, 100%, 20%
HSV	155°, 100%, 40%
XYZ	5.6669, 10.0267, 5.9110
YIQ	67.3010, -47.5850, -35.2090

Conversions

Conversions Part 2

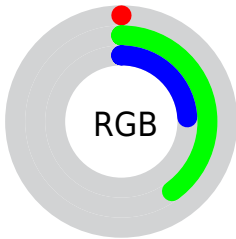
Format	Color
RYB	0, 65, 103
Decimal	26428
CIELab	37.89, -36.95, 17.18
CIELCh	38, 40.755, 155.060
Yxy	10.0267, 0.2623, 0.4641
Android (android.graphics.Color)	4278216508 (0xFF00673C)
YUV	67.3010, -3.5994, -59.0230
Hunter-Lab	31.6650, -23.4686, 11.0976

Details

The Yxy color **10.0267, 0.2623, 0.4641** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.0615, 0.5172, 0.2624**, and the grayscale version is **5.6806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8275, 0.2777, 0.4230**, and **2.7728, 0.2807, 0.5303** is the 20% darker color. If you saturate the color by 10%, you get **10.0257, 0.2623, 0.4643**, and if you desaturate by 10%, it is **10.1410, 0.2617, 0.4488**.

Distribution



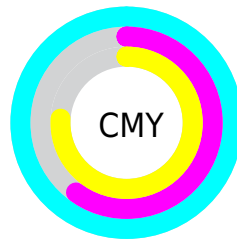
- Red (0%)
- Green (40%)
- Blue (24%)



- Red (0%)
- Yellow (25%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (60%)




- Cyan (100%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0267, 0.2623, 0.4641 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 10.0267, 0.2623, 0.4641 by changing the saturation by 10% instead.


 10.0267, 0.2623,
0.4641


 10.0267, 0.2623,
0.4641


190.8625, 0.2962,
0.3748


 5.4167, 0.2479,
0.5005

 25.8457, 0.2780,
0.4235


 2.4937, 0.2227,
0.5621


 37.8235, 0.2827,
0.4110

 0.8735, 0.0000,
1.0000

 53.0259, 0.2863,
0.4015

 0.0000, 0.0000,
0.0000

 71.8375, 0.2892,
0.3939

 94.6425, 0.2914,
0.3878


 121.8255, 0.2933,


0.3827


 153.7707, 0.2949,
0.3784

 10.0267, 0.2623,
0.4641


 10.0267, 0.2623,
0.4641

 10.0257, 0.2623,
0.4643

 10.1410, 0.2617,
0.4488

 10.2813, 0.2620,
0.4334

 10.4717, 0.2641,
0.4181

 10.7171, 0.2679,
0.4029

 11.0222, 0.2731,
0.3884

■ 11.3909, 0.2796,
0.3745

■ 11.8269, 0.2871,
0.3616

■ 12.3336, 0.2953,
0.3496

■ 12.9141, 0.3039,
0.3387

Harmonies

Analogous

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



10.0267, 0.3494, 0.5056



10.0267, 0.2623, 0.4641



10.0267, 0.1939, 0.3631

Triad

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



10.0267, 0.2623, 0.4641



10.0267, 0.1905, 0.1914



10.0267, 0.4941, 0.3475

Complementary

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



10.0267, 0.2623, 0.4641



3.0615, 0.5172, 0.2624

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.



10.0267, 0.4392, 0.2850



10.0267, 0.2623, 0.4641



10.0267, 0.2535, 0.2000

Square

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



10.0267, 0.2623, 0.4641



10.0267, 0.1596, 0.2115



10.0267, 0.3449, 0.2330



10.0267, 0.4875, 0.4140

Rectangle

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



10.0267, 0.2623, 0.4641



10.0267, 0.1673, 0.2958



10.0267, 0.3449, 0.2330



10.0267, 0.4824, 0.3260

Sweetspot

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



10.0271, 0.2623, 0.4641



21.0944, 0.2863, 0.3628



10.2516, 0.3318, 0.5746



5.0852, 0.2839, 0.3668



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.



10.0271, 0.2623, 0.4641



17.9294, 0.2635, 0.4684



9.3713, 0.2193, 0.3092



3.1668, 0.3048, 0.3377



12.6072, 0.2628, 0.4661



65.5759, 0.2652, 0.4747

Inverse Universe

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



3.0615, 0.5172, 0.2624



5.4537, 0.5243, 0.2662



3.0353, 0.6303, 0.3374



2.8637, 0.3214, 0.3204



3.8410, 0.5204, 0.2641



19.8663, 0.5345, 0.2718

Previews

White Background



This preview shows how the Yxy color 10.0267, 0.2623, 0.4641 looks on a white background.

Color Contrast Check

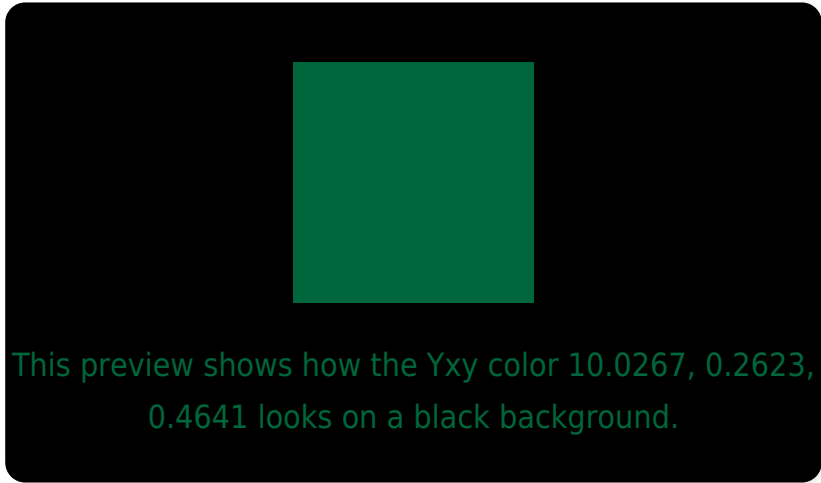
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0267, 0.2623, 0.4641

Background



This preview shows how black text looks on a background with the Yxy color 10.0267, 0.2623, 0.4641.



This preview shows how white text looks on a background with the Yxy color 10.0267, 0.2623, 0.4641.

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

10.0267, 0.2623, 0.4641

Protanopia

9.9620, 0.3797, 0.4115

Deuteranopia

9.9313, 0.3850, 0.3779



Tritanopia

10.1880, 0.2343, 0.3073

Trichromacy



Original Color

10.0267, 0.2623, 0.4641

Protanomaly

9.3249, 0.3148, 0.4364

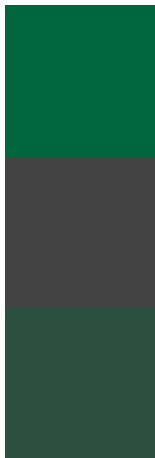
Deuteranomaly

9.2421, 0.3165, 0.4115

Tritanomaly

10.0298, 0.2423, 0.3608

Monochromacy



Original Color

10.0267, 0.2623, 0.4641

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

6.6211, 0.2771, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0267, 0.2623, 0.4641 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 60) }
```

Border

The CSS property to change the border of an element to Yxy 10.0267, 0.2623, 0.4641 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, 60) }
```

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

```
.border{ border-color:rgb(0, 103, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 103, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0267, 0.2623, 0.4641 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, 60) }
```

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

```
.background{ background-color: rgb(0, 103,  
60) }
```

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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