

Converting Colors

$Y_{xy}(10.0965, 0.2423, 0.3924)$

Have a look what the booklet for
Yxy(10.0965, 0.2423, 0.3924)
contains.

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Color

$\text{Yxy}(10.0968, 0.2423, 0.3923)$

Conversions

Conversions Part 1

Format	Color
Hex	006651
RGB	0, 102, 81
RGB Percent	0%, 40%, 32%
CMY	1.0000, 0.6000, 0.6824
CMYK	1.00, 0.00, 0.21, 0.60
HSL	168°, 100%, 20%
HSV	168°, 100%, 40%
XYZ	6.2362, 10.0968, 9.4045
YIQ	69.1080, -54.0510, -28.1550

Conversions

Conversions Part 2

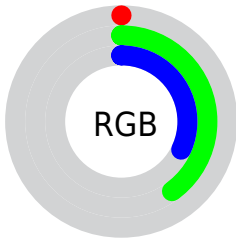
Format	Color
RYB	0, 57, 102
Decimal	26193
CIELab	38.02, -31.16, 4.72
CIELCh	38, 31.517, 171.381
Yxy	10.0968, 0.2423, 0.3923
Android (android.graphics.Color)	4278216273 (0xFF006651)
YUV	69.1080, 5.8628, -60.6077
Hunter-Lab	31.7755, -20.5750, 4.6950

Details

The Yxy color **10.0968, 0.2423, 0.3923** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.8791, 0.5933, 0.3042**, and the grayscale version is **5.9669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0625, 0.2619, 0.3753**, and **2.7657, 0.2512, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **10.0974, 0.2423, 0.3923**, and if you desaturate by 10%, it is **10.1952, 0.2434, 0.3851**.

Distribution



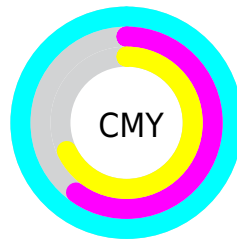
- Red (0%)
- Green (40%)
- Blue (32%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0968, 0.2423, 0.3923 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 10.0968, 0.2423, 0.3923 by changing the saturation by 10% instead.


 10.0968, 0.2423,
0.3923


 10.0968, 0.2423,
0.3923


191.3616, 0.2865,
0.3518


 5.4632, 0.2262,
0.4077

 25.9774, 0.2615,
0.3744

 2.5215, 0.2009,
0.4328


 37.9932, 0.2676,
0.3688

 0.8874, 0.0515,
0.5525

 53.2385, 0.2725,
0.3644


 0.0000, 0.0000,
0.0000


 72.0977, 0.2764,
0.3609

 94.9552, 0.2796,
0.3580

 122.1955, 0.2823,


0.3556


 154.2028, 0.2846,
0.3536


 10.0968, 0.2423,
0.3923

 10.0968, 0.2423,
0.3923


 10.0974, 0.2423,
0.3923

 10.1952, 0.2434,
0.3851

 10.3153, 0.2454,
0.3781

 10.4815, 0.2491,
0.3710

 10.6987, 0.2545,
0.3641

 10.9712, 0.2614,
0.3573

■ 11.3028, 0.2698,
0.3509

■ 11.6972, 0.2793,
0.3448

■ 12.1575, 0.2898,
0.3391

■ 12.6867, 0.3010,
0.3338

Harmonies

Analogous

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



10.0968, 0.3070, 0.4517



10.0968, 0.2423, 0.3923



10.0968, 0.1996, 0.3147

Triad

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



10.0968, 0.2423, 0.3923



10.0968, 0.2401, 0.2186



10.0968, 0.4582, 0.3780

Complementary

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



10.0968, 0.2423, 0.3923



2.8791, 0.5933, 0.3042

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.



10.0968, 0.4391, 0.3236



10.0968, 0.2423, 0.3923



10.0968, 0.3045, 0.2370

Square

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



10.0968, 0.2423, 0.3923



10.0968, 0.1994, 0.2231



10.0968, 0.3797, 0.2741



10.0968, 0.4332, 0.4291

Rectangle

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



10.0968, 0.2423, 0.3923



10.0968, 0.1871, 0.2714



10.0968, 0.3797, 0.2741



10.0968, 0.4570, 0.3597

Sweetspot

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



10.0974, 0.2423, 0.3923



20.4491, 0.2785, 0.3453



9.6750, 0.3108, 0.5914



4.7741, 0.2756, 0.3470



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.



10.0974, 0.2423, 0.3923



17.6918, 0.2429, 0.3942



5.7379, 0.1999, 0.2396



3.1760, 0.3023, 0.3333



12.9620, 0.2426, 0.3932



67.4753, 0.2437, 0.3974

Inverse Universe

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



2.8791, 0.5933, 0.3042



5.0346, 0.5999, 0.3078



3.6988, 0.5906, 0.3692



2.8548, 0.3243, 0.3248



3.6923, 0.5965, 0.3060



19.1508, 0.6095, 0.3131

Previews

White Background



This preview shows how the Yxy color 10.0968, 0.2423, 0.3923 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 10.0968, 0.2423, 0.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

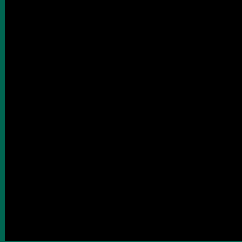
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.0968, 0.2423, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 10.0968, 0.2423, 0.3923.

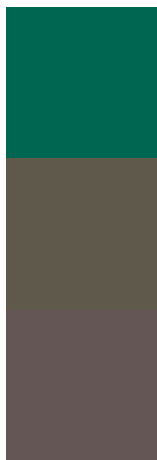


This preview shows how white text looks on a background with the Yxy color 10.0968, 0.2423, 0.3923.

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

10.0968, 0.2423, 0.3923

Protanopia

10.0324, 0.3429, 0.3637

Deuteranopia

10.0050, 0.3398, 0.3338



Tritanopia

10.2765, 0.2296, 0.3073

Trichromacy



Original Color

10.0968, 0.2423, 0.3923

Protanomaly

9.5019, 0.2861, 0.3773

Deuteranomaly

9.3688, 0.2835, 0.3540

Tritanomaly

10.1449, 0.2324, 0.3344

Monochromacy



Original Color

10.0968, 0.2423, 0.3923

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 10.0968, 0.2423, 0.3923 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 81) }
```

Border

The CSS property to change the border of an element to Yxy 10.0968, 0.2423, 0.3923 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, 81) }
```

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

```
.border{ border-color:rgb(0, 102, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0968, 0.2423, 0.3923 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, 81) }
```

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

```
.background{ background-color: rgb(0, 102,  
81) }
```

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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