

Converting Colors

$Y_{xy}(10.1777, 0.2251, 0.4356)$

Have a look what the booklet for
Yxy(10.1777, 0.2251, 0.4356)
contains.

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Color

$\text{Yxy}(10.7891, 0.2523, 0.4282)$

Conversions

Conversions Part 1

Format	Color
Hex	006A49
RGB	0, 106, 73
RGB Percent	0%, 42%, 29%
CMY	0.9998, 0.5843, 0.7137
CMYK	1.00, 0.00, 0.31, 0.58
HSL	161°, 100%, 21%
HSV	161°, 100%, 42%
XYZ	6.3571, 10.7891, 8.0503
YIQ	70.5440, -52.5830, -32.7350

Conversions

Conversions Part 2

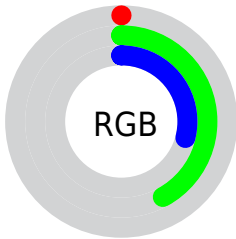
Format	Color
RYB	0, 63, 106
Decimal	27209
CIELab	39.22, -35.07, 11.27
CIELCh	39, 36.837, 162.185
Yxy	10.7891, 0.2523, 0.4282
Android (android.graphics.Color)	4278217289 (0xFF006A49)
YUV	70.5440, 1.2108, -61.8671
Hunter-Lab	32.8468, -22.9355, 8.4616

Details

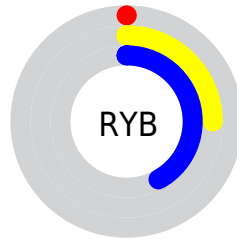
The Yxy color **10.7891, 0.2523, 0.4282** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.1756, 0.5591, 0.2855**, and the grayscale version is **6.2279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1985, 0.2688, 0.3986**, and **3.0150, 0.2651, 0.4744** is the 20% darker color. If you saturate the color by 10%, you get **10.7889, 0.2523, 0.4283**, and if you desaturate by 10%, it is **10.9030, 0.2524, 0.4169**.

Distribution



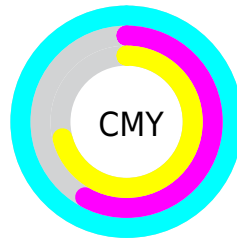
- Red (0%)
- Green (42%)
- Blue (29%)



- Red (0%)
- Yellow (25%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7891, 0.2523, 0.4282 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 10.7891, 0.2523, 0.4282 by changing the saturation by 10% instead.


 10.7891, 0.2523,
0.4282


 10.7891, 0.2523,
0.4282


196.2149, 0.2910,
0.3639


 5.9252, 0.2376,
0.4533


 27.2695, 0.2693,
0.3995


 2.7997, 0.2139,
0.4949


 39.6548, 0.2747,
0.3906

 1.0281, 0.0780,
0.7012

 55.3160, 0.2789,
0.3836

 0.0000, 0.0000,
0.0000


 74.6376, 0.2823,
0.3781


 98.0039, 0.2850,
0.3736


 125.7992, 0.2873,


0.3698

 158.4081, 0.2893,
0.3666

 10.7891, 0.2523,
0.4282


 10.7891, 0.2523,
0.4282


 10.7889, 0.2523,
0.4283

 10.9030, 0.2524,
0.4169

 11.0437, 0.2535,
0.4056

 11.2360, 0.2564,
0.3944

 11.4853, 0.2609,
0.3834

 11.7965, 0.2671,
0.3728

■ 12.1737, 0.2745,
0.3627

■ 12.6209, 0.2831,
0.3532

■ 13.1417, 0.2925,
0.3444

■ 13.7393, 0.3024,
0.3363

Harmonies

Analogous

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



10.7891, 0.3289, 0.4810



10.7891, 0.2523, 0.4282



10.7891, 0.1964, 0.3379

Triad

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



10.7891, 0.2523, 0.4282



10.7891, 0.2137, 0.2042



10.7891, 0.4773, 0.3626

Complementary

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



10.7891, 0.2523, 0.4282



3.1756, 0.5591, 0.2855

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.



10.7891, 0.4404, 0.3036



10.7891, 0.2523, 0.4282



10.7891, 0.2781, 0.2175

Square

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



10.7891, 0.2523, 0.4282



10.7891, 0.1782, 0.2169



10.7891, 0.3626, 0.2526



10.7891, 0.4615, 0.4226

Rectangle

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



10.7891, 0.2523, 0.4282



10.7891, 0.1765, 0.2830



10.7891, 0.3626, 0.2526



10.7891, 0.4709, 0.3425

Sweetspot

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



10.7895, 0.2523, 0.4282



22.0754, 0.2823, 0.3540



10.6417, 0.3189, 0.5849



5.1130, 0.2796, 0.3569



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.



10.7895, 0.2523, 0.4282



18.9137, 0.2531, 0.4312



7.7892, 0.2090, 0.2724



3.4766, 0.3034, 0.3356



13.3831, 0.2526, 0.4295



68.0312, 0.2544, 0.4358

Inverse Universe

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



3.1756, 0.5591, 0.2855



5.5514, 0.5662, 0.2893



3.5465, 0.6129, 0.3514



3.1309, 0.3230, 0.3225



3.9334, 0.5622, 0.2871



19.9019, 0.5765, 0.2949

Previews

White Background



This preview shows how the Yxy color 10.7891, 0.2523, 0.4282 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 10.7891, 0.2523, 0.4282 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 10.7891, 0.2523, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 10.7891, 0.2523, 0.4282.



This preview shows how white text looks on a background with the Yxy color 10.7891, 0.2523, 0.4282.

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

10.7891, 0.2523, 0.4282

Protanopia

10.7122, 0.3625, 0.3888

Deuteranopia

10.8064, 0.3621, 0.3565



Tritanopia

10.8082, 0.2315, 0.3052

Trichromacy



Original Color

10.7891, 0.2523, 0.4282

Protanomaly

10.0358, 0.3006, 0.4078

Deuteranomaly

9.9352, 0.2986, 0.3812

Tritanomaly

10.7457, 0.2367, 0.3455

Monochromacy



Original Color

10.7891, 0.2523, 0.4282

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.3664, 0.2704, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7891, 0.2523, 0.4282 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, 106, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 73)  
}
```

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, 106, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 73) }
```

Border

The CSS property to change the border of an element to Yxy 10.7891, 0.2523, 0.4282 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, 106, 73) }
```

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

```
.border{ border-color:rgb(0, 106, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 106, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7891, 0.2523, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 73) }
```

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

```
.background{ background-color: rgb(0, 106,  
73) }
```

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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