

Converting Colors

$Y_{xy}(10.0881, 0.2829, 0.5407)$

Have a look what the booklet for
Yxy(10.0881, 0.2829, 0.5407)
contains.

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Color

Yxy(10.0220, 0.2836, 0.5410)

Conversions

Conversions Part 1

Format	Color
Hex	006823
RGB	0, 104, 35
RGB Percent	0%, 41%, 14%
CMY	1.0000, 0.5921, 0.8627
CMYK	1.00, 0.00, 0.66, 0.59
HSL	140°, 100%, 20%
HSV	140°, 100%, 41%
XYZ	5.2537, 10.0220, 3.2493
YIQ	65.0380, -39.8350, -43.5070

Conversions

Conversions Part 2

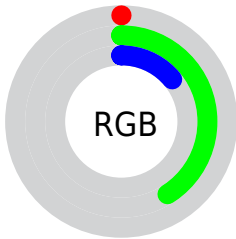
Format	Color
RYB	0, 78, 104
Decimal	26659
CIELab	37.88, -41.79, 30.86
CIELCh	38, 51.949, 143.549
Yxy	10.0220, 0.2836, 0.5410
Android (android.graphics.Color)	4278216739 (0xFF006823)
YUV	65.0380, -14.8087, -57.0383
Hunter-Lab	31.6575, -25.7780, 16.0749

Details

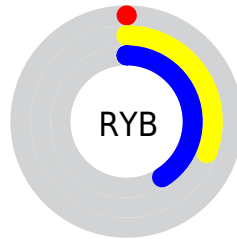
The Yxy color **10.0220, 0.2836, 0.5410** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.3726, 0.4219, 0.2098**, and the grayscale version is **5.3205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7411, 0.2967, 0.4758**, and **2.7324, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.0226, 0.2836, 0.5410**, and if you desaturate by 10%, it is **10.1348, 0.2822, 0.5202**.

Distribution



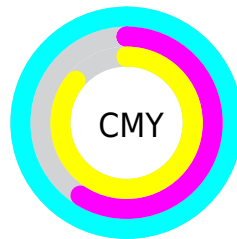
- Red (0%)
- Green (41%)
- Blue (14%)



- Red (0%)
- Yellow (31%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0220, 0.2836, 0.5410 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 10.0220, 0.2836, 0.5410 by changing the saturation by 10% instead.


 10.0220, 0.2836,
0.5410


 10.0220, 0.2836,
0.5410


190.8290, 0.3082,
0.3997


 5.4135, 0.2683,
0.5969

 25.8369, 0.2972,
0.4769


 2.4919, 0.2569,
0.7431


 37.8121, 0.3006,
0.4572

 0.8726, 0.0000,
1.0000

 53.0117, 0.3029,
0.4420


 0.0000, 0.0000,
0.0000


 71.8200, 0.3046,
0.4300


 94.6215, 0.3058,
0.4202


 121.8006, 0.3068,


0.4122


 153.7416, 0.3076,
0.4054


 10.0220, 0.2836,
0.5410

 10.0220, 0.2836,
0.5410

 10.0226, 0.2836,
0.5410

 10.1348, 0.2822,
0.5202

 10.2786, 0.2812,
0.4978

 10.4783, 0.2818,
0.4740

 10.7396, 0.2838,
0.4498

 11.0673, 0.2870,
0.4260

■ 11.4658, 0.2912,
0.4032

■ 11.9391, 0.2961,
0.3819

■ 12.4910, 0.3015,
0.3624

■ 13.1248, 0.3071,
0.3448

Harmonies

Analogous

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



10.0220, 0.3893, 0.5424



10.0220, 0.2836, 0.5410



10.0220, 0.1908, 0.4267

Triad

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



10.0220, 0.2836, 0.5410



10.0220, 0.1473, 0.1672



10.0220, 0.5242, 0.3151

Complementary

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



10.0220, 0.2836, 0.5410



3.3726, 0.4219, 0.2098

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.



10.0220, 0.4293, 0.2474



10.0220, 0.2836, 0.5410



10.0220, 0.2049, 0.1667

Square

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



10.0220, 0.2836, 0.5410



10.0220, 0.1255, 0.2025



10.0220, 0.3040, 0.1947



10.0220, 0.5391, 0.3901

Rectangle

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



10.0220, 0.2836, 0.5410



10.0220, 0.1503, 0.3300



10.0220, 0.3040, 0.1947



10.0220, 0.5001, 0.2916

Sweetspot

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



10.0226, 0.2836, 0.5410



20.8699, 0.2957, 0.3837



11.1786, 0.3646, 0.5487



5.0264, 0.2941, 0.3901



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.



10.0226, 0.2836, 0.5410



17.5633, 0.2850, 0.5459



10.5838, 0.2388, 0.3796



3.1564, 0.3077, 0.3430



12.3486, 0.2842, 0.5430



64.2560, 0.2870, 0.5533

Inverse Universe

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



3.3726, 0.4219, 0.2098



5.8954, 0.4254, 0.2117



2.9847, 0.6048, 0.3105



2.8741, 0.3181, 0.3154



4.1512, 0.4233, 0.2106



21.4832, 0.4309, 0.2148

Previews

White Background



This preview shows how the Yxy color 10.0220, 0.2836, 0.5410 looks on a white background.

Color Contrast Check

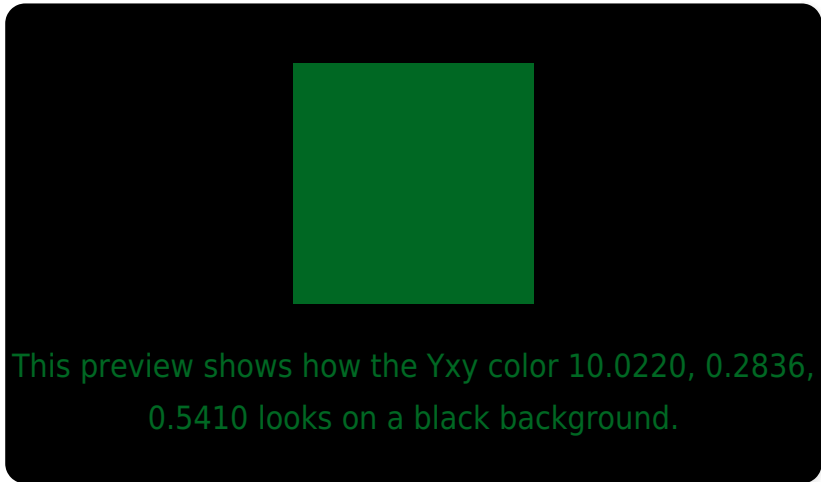
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0220, 0.2836, 0.5410

Background



This preview shows how black text looks on a background with the Yxy color 10.0220, 0.2836, 0.5410.



This preview shows how white text looks on a background with the Yxy color 10.0220, 0.2836, 0.5410.

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

10.0220, 0.2836, 0.5410

Protanopia

9.9530, 0.4169, 0.4572

Deuteranopia

9.9721, 0.4281, 0.4236



Tritanopia

10.0615, 0.2376, 0.3073

Trichromacy



Original Color

10.0220, 0.2836, 0.5410



Protanomaly

9.1997, 0.3469, 0.5004



Deuteranomaly

9.1029, 0.3510, 0.4755



Tritanomaly

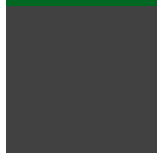
9.9265, 0.2527, 0.3885

Monochromacy



Original Color

10.0220, 0.2836, 0.5410



Achromatopsia

5.2861, 0.3127, 0.3290



Achromatomaly

6.3297, 0.2882, 0.4168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0220, 0.2836, 0.5410 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, 104, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 35)  
}
```

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, 104, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 35) }
```

Border

The CSS property to change the border of an element to Yxy 10.0220, 0.2836, 0.5410 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, 104, 35) }
```

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

```
.border{ border-color:rgb(0, 104, 35) }
```

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

Here you see how a box with a 4 pixel rgb(0, 104, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 104, 35)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0220, 0.2836, 0.5410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 35) }
```

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

```
.background{ background-color: rgb(0, 104,  
35) }
```

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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