

Converting Colors

$Y_{xy}(10.8677, 0.2641, 0.4708)$

Have a look what the booklet for
Yxy(10.8677, 0.2641, 0.4708)
contains.

Yxy(10.8416, 0.2645, 0.4721)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.8416, 0.2645, 0.4721)

Conversions

Conversions Part 1

Format	Color
Hex	006B3C
RGB	0, 107, 60
RGB Percent	0%, 42%, 24%
CMY	0.9997, 0.5804, 0.7647
CMYK	1.00, 0.00, 0.44, 0.58
HSL	154°, 100%, 21%
HSV	154°, 100%, 42%
XYZ	6.0741, 10.8416, 6.0489
YIQ	69.6490, -48.6850, -37.3010

Conversions

Conversions Part 2

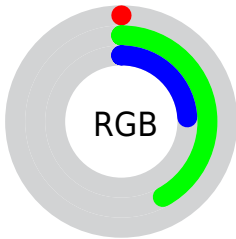
Format	Color
RYB	0, 69, 107
Decimal	27452
CIELab	39.31, -38.51, 19.05
CIELCh	39, 42.968, 153.678
Yxy	10.8416, 0.2645, 0.4721
Android (android.graphics.Color)	4278217532 (0xFF006B3C)
YUV	69.6490, -4.7570, -61.0822
Hunter-Lab	32.9266, -24.6927, 12.1566

Details

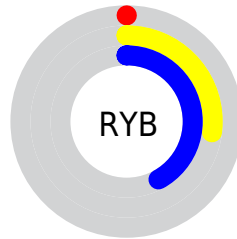
The Yxy color **10.8416, 0.2645, 0.4721** is a dark color, and the websafe version is hex **006633**, and the color name is **cadmium green**. A complement of this color would be **3.3330, 0.5098, 0.2583**, and the grayscale version is **6.0814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2567, 0.2798, 0.4289**, and **3.0666, 0.2823, 0.5363** is the 20% darker color. If you saturate the color by 10%, you get **10.8412, 0.2645, 0.4722**, and if you desaturate by 10%, it is **10.9631, 0.2636, 0.4560**.

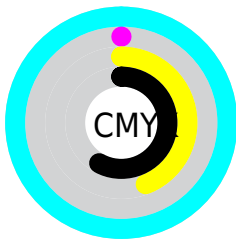
Distribution



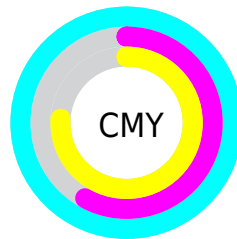
- Red (0%)
- Green (42%)
- Blue (24%)



- Red (0%)
- Yellow (27%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8416, 0.2645, 0.4721 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 10.8416, 0.2645, 0.4721 by changing the saturation by 10% instead.


 10.8416, 0.2645,
0.4721


 10.8416, 0.2645,
0.4721


196.5776, 0.2971,
0.3781


 5.9604, 0.2506,
0.5096

 27.3669, 0.2796,
0.4297


 2.8210, 0.2265,
0.5717


 39.7798, 0.2842,
0.4166

 1.0390, 0.0368,
0.9632

 55.4720, 0.2876,
0.4065

 0.0000, 0.0000,
0.0000


 74.8281, 0.2903,
0.3985

 98.2322, 0.2925,
0.3920


 126.0689, 0.2943,


0.3866


 158.7226, 0.2958,
0.3820


 10.8416, 0.2645,
0.4721


 10.8416, 0.2645,
0.4721


 10.8412, 0.2645,
0.4722

 10.9631, 0.2636,
0.4560

 11.1147, 0.2637,
0.4398

 11.3210, 0.2656,
0.4235

 11.5879, 0.2691,
0.4075

 11.9203, 0.2742,
0.3920

■ 12.3226, 0.2805,
0.3773

■ 12.7989, 0.2877,
0.3636

■ 13.3529, 0.2957,
0.3509

■ 13.9880, 0.3041,
0.3394

Harmonies

Analogous

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



10.8416, 0.3538, 0.5105



10.8416, 0.2645, 0.4721



10.8416, 0.1935, 0.3690

Triad

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



10.8416, 0.2645, 0.4721



10.8416, 0.1856, 0.1887



10.8416, 0.4976, 0.3442

Complementary

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



10.8416, 0.2645, 0.4721



3.3330, 0.5098, 0.2583

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.



10.8416, 0.4387, 0.2810



10.8416, 0.2645, 0.4721



10.8416, 0.2483, 0.1963

Square

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



10.8416, 0.2645, 0.4721



10.8416, 0.1558, 0.2104



10.8416, 0.3408, 0.2288



10.8416, 0.4931, 0.4119

Rectangle

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



10.8416, 0.2645, 0.4721



10.8416, 0.1653, 0.2988



10.8416, 0.3408, 0.2288



10.8416, 0.4846, 0.3224

Sweetspot

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



10.8420, 0.2645, 0.4721



22.8349, 0.2870, 0.3648



11.1484, 0.3335, 0.5733



5.4587, 0.2847, 0.3691



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.8420, 0.2645, 0.4721



19.3883, 0.2657, 0.4764



10.4966, 0.2206, 0.3141



3.4705, 0.3049, 0.3383



13.1831, 0.2649, 0.4737



66.9965, 0.2674, 0.4825

Inverse Universe

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



3.3330, 0.5098, 0.2583



5.9410, 0.5164, 0.2618



3.2435, 0.6330, 0.3354



3.1368, 0.3212, 0.3199



4.0466, 0.5123, 0.2596



20.4502, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 10.8416, 0.2645, 0.4721 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 10.8416, 0.2645, 0.4721 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 10.8416, 0.2645, 0.4721

Background



This preview shows how black text looks on a background with the Yxy color 10.8416, 0.2645, 0.4721.



This preview shows how white text looks on a background with the Yxy color 10.8416, 0.2645, 0.4721.

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

10.8416, 0.2645, 0.4721

Protanopia

10.8712, 0.3831, 0.4177

Deuteranopia

10.8299, 0.3886, 0.3851



Tritanopia

10.8843, 0.2341, 0.3054

Trichromacy



Original Color

10.8416, 0.2645, 0.4721

Protanomaly

10.1208, 0.3169, 0.4442

Deuteranomaly

10.0267, 0.3186, 0.4201

Tritanomaly

10.6799, 0.2421, 0.3599

Monochromacy



Original Color

10.8416, 0.2645, 0.4721

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.1377, 0.2780, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8416, 0.2645, 0.4721 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, 107, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 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, 107, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 60) }
```

Border

The CSS property to change the border of an element to Yxy 10.8416, 0.2645, 0.4721 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, 107, 60) }
```

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

```
.border{ border-color:rgb(0, 107, 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, 107, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8416, 0.2645, 0.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 60) }
```

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

```
.background{ background-color: rgb(0, 107,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor