

Converting Colors

$Y_{xy}(10.8464, 0.2659, 0.4772)$

Have a look what the booklet for
Yxy(10.8464, 0.2659, 0.4772)
contains.

Yxy(10.8209, 0.2662, 0.4784)	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(10.8209, 0.2662, 0.4784)

Conversions

Conversions Part 1

Format	Color
Hex	006B3A
RGB	0, 107, 58
RGB Percent	0%, 42%, 23%
CMY	1.0000, 0.5804, 0.7725
CMYK	1.00, 0.00, 0.46, 0.58
HSL	153°, 100%, 21%
HSV	153°, 100%, 42%
XYZ	6.0212, 10.8209, 5.7769
YIQ	69.4210, -48.0430, -37.9230

Conversions

Conversions Part 2

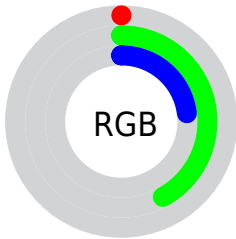
Format	Color
RYB	0, 69, 107
Decimal	27450
CIELab	39.28, -38.94, 20.15
CIELCh	39, 43.849, 152.638
Yxy	10.8209, 0.2662, 0.4784
Android (android.graphics.Color)	4278217530 (0xFF006B3A)
YUV	69.4210, -5.6306, -60.8822
Hunter-Lab	32.8951, -24.8937, 12.6144

Details

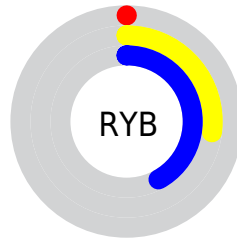
The Yxy color **10.8209, 0.2662, 0.4784** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.3476, 0.5026, 0.2543**, and the grayscale version is **6.0400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2146, 0.2812, 0.4331**, and **3.0578, 0.2858, 0.5488** is the 20% darker color. If you saturate the color by 10%, you get **10.8218, 0.2662, 0.4784**, and if you desaturate by 10%, it is **10.9432, 0.2653, 0.4617**.

Distribution



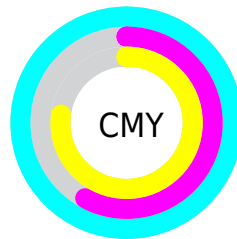
- Red (0%)
- Green (42%)
- Blue (23%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8209, 0.2662, 0.4784 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 10.8209, 0.2662, 0.4784 by changing the saturation by 10% instead.


 10.8209, 0.2662,
0.4784


 10.8209, 0.2662,
0.4784


196.4347, 0.2980,
0.3802


 5.9465, 0.2523,
0.5176

 27.3285, 0.2811,
0.4340


 2.8126, 0.2279,
0.5826

 39.7305, 0.2855,
0.4204

 1.0347, 0.0240,
0.9760

 55.4106, 0.2889,
0.4098

 0.0000, 0.0000,
0.0000


 74.7530, 0.2915,
0.4014


 98.1422, 0.2936,
0.3946


 125.9627, 0.2953,

0.3890

 158.5987, 0.2968,
0.3842


 10.8209, 0.2662,
0.4784


 10.8209, 0.2662,
0.4784


 10.8218, 0.2662,
0.4784

 10.9432, 0.2653,
0.4617

 11.0950, 0.2652,
0.4448

 11.3020, 0.2669,
0.4278

 11.5699, 0.2703,
0.4111

 11.9036, 0.2752,
0.3949

■ 12.3077, 0.2813,
0.3795

■ 12.7861, 0.2884,
0.3652

■ 13.3426, 0.2961,
0.3519

■ 13.9807, 0.3043,
0.3399

Harmonies

Analogous

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



10.8209, 0.3571, 0.5142



10.8209, 0.2662, 0.4784



10.8209, 0.1931, 0.3737

Triad

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



10.8209, 0.2662, 0.4784



10.8209, 0.1818, 0.1865



10.8209, 0.5003, 0.3416

Complementary

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



10.8209, 0.2662, 0.4784



3.3476, 0.5026, 0.2543

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.



10.8209, 0.4383, 0.2779



10.8209, 0.2662, 0.4784



10.8209, 0.2442, 0.1934

Square

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



10.8209, 0.2662, 0.4784



10.8209, 0.1528, 0.2095



10.8209, 0.3377, 0.2256



10.8209, 0.4974, 0.4102

Rectangle

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



10.8209, 0.2662, 0.4784



10.8209, 0.1638, 0.3012



10.8209, 0.3377, 0.2256



10.8209, 0.4864, 0.3196

Sweetspot

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



10.8218, 0.2662, 0.4784



22.8159, 0.2877, 0.3663



11.1925, 0.3356, 0.5717



5.4537, 0.2854, 0.3708



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.



10.8218, 0.2662, 0.4784



19.3518, 0.2674, 0.4827



10.8492, 0.2220, 0.3191



3.4697, 0.3052, 0.3387



13.1583, 0.2667, 0.4800



66.8701, 0.2692, 0.4890

Inverse Universe

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



3.3476, 0.5026, 0.2543



5.9697, 0.5088, 0.2576



3.2034, 0.6355, 0.3336



3.1377, 0.3210, 0.3195



4.0662, 0.5049, 0.2555



20.5477, 0.5178, 0.2626

Previews

White Background



This preview shows how the Yxy color 10.8209, 0.2662, 0.4784 looks on a white background.

Color Contrast Check

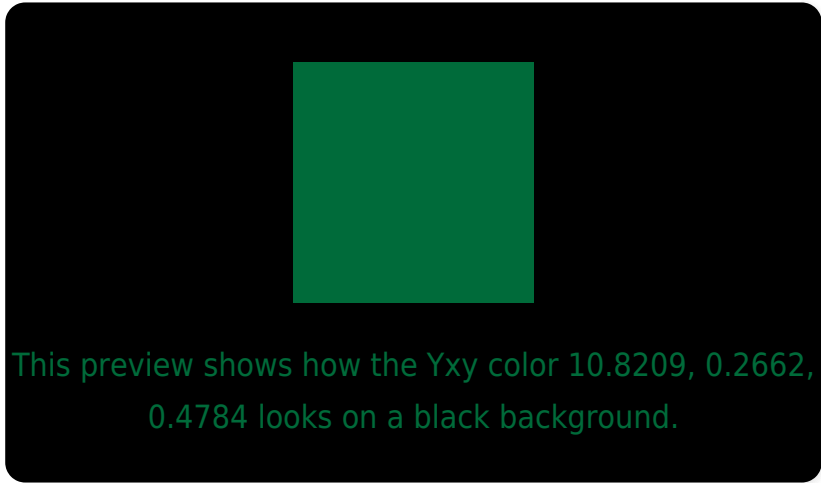
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8209, 0.2662, 0.4784

Background



This preview shows how black text looks on a background with the Yxy color 10.8209, 0.2662, 0.4784.



This preview shows how white text looks on a background with the Yxy color 10.8209, 0.2662, 0.4784.

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

10.8209, 0.2662, 0.4784

Protanopia

10.6780, 0.3869, 0.4200

Deuteranopia

10.7178, 0.3928, 0.3848



Tritanopia

10.8626, 0.2350, 0.3079

Trichromacy



Original Color

10.8209, 0.2662, 0.4784

Protanomaly

9.9152, 0.3196, 0.4477

Deuteranomaly

9.8609, 0.3231, 0.4229

Tritanomaly

10.6454, 0.2439, 0.3659

Monochromacy



Original Color

10.8209, 0.2662, 0.4784

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

7.1036, 0.2780, 0.3883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8209, 0.2662, 0.4784 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 58) }
```

Border

The CSS property to change the border of an element to Yxy 10.8209, 0.2662, 0.4784 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, 58) }
```

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

```
.border{ border-color:rgb(0, 107, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 58)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8209, 0.2662, 0.4784 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, 58) }
```

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

```
.background{ background-color: rgb(0, 107,  
58) }
```

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