

Converting Colors

$Y_{xy}(10.4635, 0.3081, 0.4781)$

Have a look what the booklet for
Yxy(10.4635, 0.3081, 0.4781)
contains.

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Color

Yxy(10.4631, 0.3081, 0.4780)

Conversions

Conversions Part 1

Format	Color
Hex	346632
RGB	52, 102, 50
RGB Percent	20%, 40%, 20%
CMY	0.7960, 0.6000, 0.8039
CMYK	0.49, 0.00, 0.51, 0.60
HSL	118°, 34%, 30%
HSV	118°, 51%, 40%
XYZ	6.7441, 10.4631, 4.6821
YIQ	81.1220, -13.1080, -26.7720

Conversions

Conversions Part 2

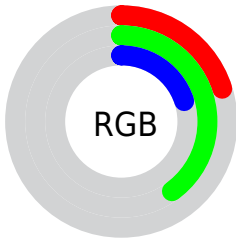
Format	Color
RYB	50, 102, 100
Decimal	3434034
CIELab	38.66, -28.61, 24.17
CIELCh	39, 37.456, 139.804
Yxy	10.4631, 0.3081, 0.4780
Android (android.graphics.Color)	4281624114 (0xFF346632)
YUV	81.1220, -15.3431, -25.5400
Hunter-Lab	32.3467, -19.3905, 14.0606

Details

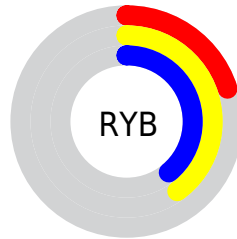
The Yxy color **10.4631, 0.3081, 0.4780** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.9493, 0.3141, 0.2125**, and the grayscale version is **8.2879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7991, 0.3123, 0.4360**, and **2.6471, 0.2952, 0.5826** is the 20% darker color. If you saturate the color by 10%, you get **10.1513, 0.3067, 0.5108**, and if you desaturate by 10%, it is **10.8495, 0.3094, 0.4447**.

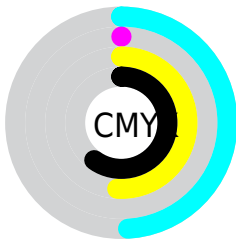
Distribution



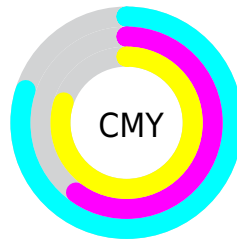
- Red (20%)
- Green (40%)
- Blue (20%)



- Red (20%)
- Yellow (40%)
- Blue (39%)



- Cyan (49%)
- Magenta (0%)
- Yellow (51%)
- Black (60%)




- Cyan (80%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4631, 0.3081, 0.4780 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 10.4631, 0.3081, 0.4780 by changing the saturation by 10% instead.


 10.4631, 0.3081,
0.4780


 10.4631, 0.3081,
0.4780

193.9461, 0.3142,
0.3806


 5.7071, 0.3026,
0.5160

 26.6630, 0.3122,
0.4344


 2.6678, 0.2934,
0.5841


 38.8756, 0.3131,
0.4208

 0.9609, 0.1814,
0.8186

 54.3426, 0.3135,
0.4103

 0.0000, 0.0000,
0.0000

 73.4483, 0.3138,
0.4019

 96.5771, 0.3140,
0.3951

 124.1134, 0.3141,

0.3894

156.4416, 0.3142,
0.3847

■ 10.4631, 0.3081,
0.4780

■ 10.4631, 0.3081,
0.4780

■ 10.1513, 0.3067,
0.5108

■ 10.8495, 0.3094,
0.4447

■ 9.9080, 0.3051,
0.5409

■ 11.3134, 0.3105,
0.4125

■ 9.7286, 0.3036,
0.5662

■ 11.8593, 0.3114,
0.3826

■ 9.6068, 0.3022,
0.5848

■ 12.4909, 0.3121,
0.3554

■ 9.5281, 0.3017,
0.5987

■ 13.2115, 0.3127,
0.3312

■ 14.0244, 0.3131,
0.3099

■ 14.9329, 0.3134,
0.2914

■ 15.9397, 0.3137,
0.2752

■ 17.0479, 0.3138,
0.2613

Harmonies

Analogous

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



10.4631, 0.3885, 0.4826



10.4631, 0.3081, 0.4780



10.4631, 0.2333, 0.4089

Triad

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



10.4631, 0.3081, 0.4780



10.4631, 0.1816, 0.2082



10.4631, 0.4585, 0.3175

Complementary

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



10.4631, 0.3081, 0.4780



5.9493, 0.3141, 0.2125

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.



10.4631, 0.3863, 0.2628



10.4631, 0.3081, 0.4780



10.4631, 0.2254, 0.2026

Square

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



10.4631, 0.3081, 0.4780



10.4631, 0.1676, 0.2440



10.4631, 0.2978, 0.2222



10.4631, 0.4823, 0.3785

Rectangle

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



10.4631, 0.3081, 0.4780



10.4631, 0.1969, 0.3454



10.4631, 0.2978, 0.2222



10.4631, 0.4386, 0.2982

Sweetspot

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



10.4635, 0.3081, 0.4780



21.3942, 0.3118, 0.3671



12.0546, 0.3852, 0.4400



5.0088, 0.3117, 0.3711



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.



10.4635, 0.3081, 0.4780



17.7191, 0.3064, 0.5164



10.6672, 0.2801, 0.4103



3.1472, 0.3122, 0.3502



12.2332, 0.3014, 0.5988



63.7138, 0.3006, 0.5995

Inverse Universe

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



5.9493, 0.3141, 0.2125



8.8165, 0.3139, 0.1902



5.6651, 0.3699, 0.2614



2.8839, 0.3131, 0.3086



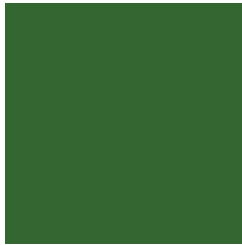
4.5664, 0.3117, 0.1490



23.7256, 0.3111, 0.1487

Previews

White Background



This preview shows how the Yxy color 10.4631, 0.3081, 0.4780 looks on a white background.

Color Contrast Check

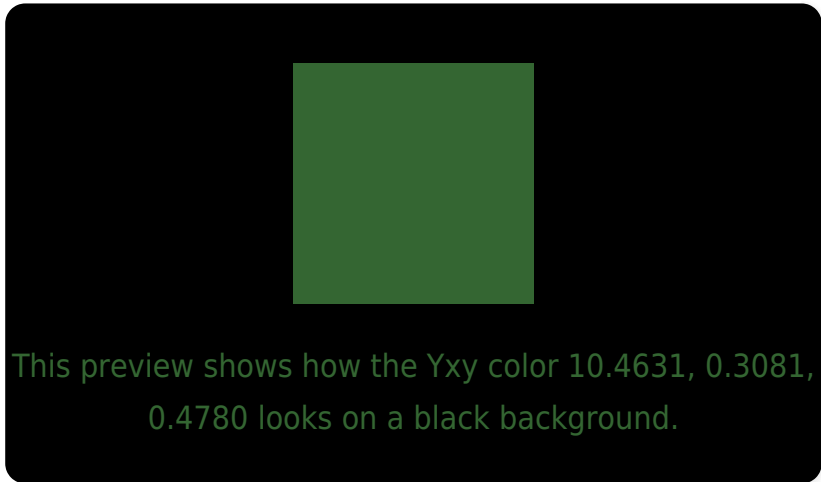
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4631, 0.3081, 0.4780

Background



This preview shows how black text looks on a background with the Yxy color 10.4631, 0.3081, 0.4780.



This preview shows how white text looks on a background with the Yxy color 10.4631, 0.3081, 0.4780.

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

10.4631, 0.3081, 0.4780

Protanopia

10.3888, 0.3959, 0.4334

Deuteranopia

10.3977, 0.4064, 0.4023



Tritanopia

10.4220, 0.2583, 0.3083

Trichromacy



Original Color

10.4631, 0.3081, 0.4780

Protanomaly

10.2287, 0.3611, 0.4519

Deuteranomaly

10.0352, 0.3659, 0.4274

Tritanomaly

10.3053, 0.2771, 0.3675

Monochromacy



Original Color

10.4631, 0.3081, 0.4780

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.8890, 0.3102, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4631, 0.3081, 0.4780 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(52, 102, 50)` looks like.

```
.text, #text, p{  
    color:rgb(52, 102, 50)  
}
```

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(52, 102, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 102, 50) }
```

Border

The CSS property to change the border of an element to Yxy 10.4631, 0.3081, 0.4780 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(52, 102, 50) }
```

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

```
.border{ border-color:rgb(52, 102, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 102, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 102, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 102, 50);  
box-shadow:4px 4px 4px 4px rgb(52, 102,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4631, 0.3081, 0.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 102, 50) }
```

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

```
.background{ background-color: rgb(52, 102,  
50) }
```

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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