

# Converting Colors

$Y_{xy}(10.3611, 0.3104, 0.5184)$

Have a look what the booklet for  
Yxy(10.3611, 0.3104, 0.5184)  
contains.

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# Color

**Yxy(10.3695, 0.3109, 0.5181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C6725
RGB	44, 103, 37
RGB Percent	17%, 40%, 15%
CMY	0.8275, 0.5961, 0.8550
CMYK	0.57, 0.00, 0.64, 0.60
HSL	114°, 47%, 27%
HSV	114°, 64%, 40%
XYZ	6.2225, 10.3695, 3.4225
YIQ	77.8350, -13.9780, -33.0340

# Conversions

## Conversions Part 2

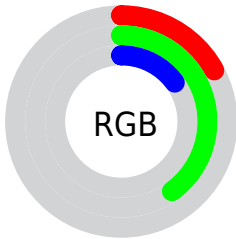
Format	Color
R <sub>Y</sub> B	37, 103, 96
Decimal	2909989
CIE Lab	38.50, -33.39, 30.84
CIE LCh	38, 45.452, 137.268
Yxy	10.3695, 0.3109, 0.5181
Android (android.graphics.Color)	4281100069 (0xFF2C6725)
YUV	77.8350, -20.1317, -29.6733
Hunter-Lab	32.2017, -21.8605, 16.2397

# Details

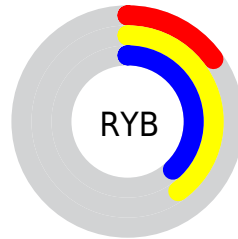
The Yxy color **10.3695, 0.3109, 0.5181** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4.7880, 0.3044, 0.1837**, and the grayscale version is **7.6262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5854, 0.3161, 0.4621**, and **2.7324, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.1324, 0.3092, 0.5467**, and if you desaturate by 10%, it is **10.6710, 0.3122, 0.4864**.

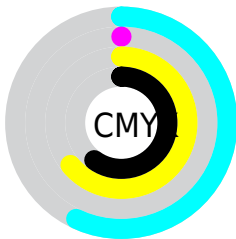
# Distribution



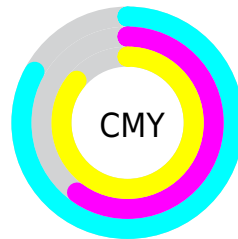
- Red (17%)
- Green (40%)
- Blue (15%)



- Red (15%)
- Yellow (40%)
- Blue (38%)



- Cyan (57%)
- Magenta (0%)
- Yellow (64%)
- Black (60%)




- Cyan (83%)
- Magenta (60%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 10.3695, 0.3109, 0.5181 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 10.3695, 0.3109, 0.5181 by changing the saturation by 10% instead.





 10.3695, 0.3109,  
0.5181

 10.3695, 0.3109,  
0.5181


193.2893, 0.3174,  
0.3940


 5.6446, 0.3028,  
0.5655

 26.4882, 0.3163,  
0.4626


 2.6302, 0.3013,  
0.6797


 38.6508, 0.3172,  
0.4453

 0.9419, 0.0775,  
0.9225

 54.0615, 0.3176,  
0.4319

 0.0000, 0.0000,  
0.0000


 73.1046, 0.3177,  
0.4212

 96.1646, 0.3177,  
0.4125


 123.6257, 0.3177,

0.4053


 155.8725, 0.3176,  
0.3992

 10.3695, 0.3109,  
0.5181


 10.3695, 0.3109,  
0.5181


 10.1324, 0.3092,  
0.5467

 10.6710, 0.3122,  
0.4864


 9.9538, 0.3071,  
0.5701

 11.0398, 0.3130,  
0.4537

 9.8279, 0.3050,  
0.5873

 11.4800, 0.3134,  
0.4216

 9.7718, 0.3044,  
0.5965

 11.9953, 0.3135,  
0.3913

 12.5889, 0.3133,  
0.3635

■ 13.2638, 0.3129,  
0.3384

■ 14.0230, 0.3124,  
0.3162

■ 14.8693, 0.3118,  
0.2967

■ 15.8053, 0.3112,  
0.2796

# Harmonies

## Analogous

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



10.3695, 0.4049, 0.5088



10.3695, 0.3109, 0.5181



10.3695, 0.2222, 0.4379

# Triad

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



10.3695, 0.3109, 0.5181



10.3695, 0.1572, 0.1885



10.3695, 0.4842, 0.3063

# Complementary

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



10.3695, 0.3109, 0.5181



4.7880, 0.3044, 0.1837

# 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.



10.3695, 0.3921, 0.2456



10.3695, 0.3109, 0.5181



10.3695, 0.2034, 0.1810

# Square

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



10.3695, 0.3109, 0.5181



10.3695, 0.1438, 0.2307



10.3695, 0.2851, 0.2013



10.3695, 0.5158, 0.3748



# Rectangle

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



10.3695, 0.3109, 0.5181



10.3695, 0.1789, 0.3568



10.3695, 0.2851, 0.2013



10.3695, 0.4585, 0.2849

# Sweetspot

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



10.3699, 0.3109, 0.5181



21.9419, 0.3134, 0.3783



11.2560, 0.4068, 0.4558



5.2986, 0.3135, 0.3844



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.



10.3699, 0.3109, 0.5181



17.9643, 0.3082, 0.5595



10.4452, 0.2797, 0.4500



3.1553, 0.3131, 0.3501



12.2840, 0.3040, 0.5968



63.8692, 0.3021, 0.5983



# Inverse Universe

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



4.7880, 0.3044, 0.1837



7.0305, 0.3009, 0.1603



4.7517, 0.3803, 0.2371



2.8750, 0.3122, 0.3086



4.0900, 0.2954, 0.1401

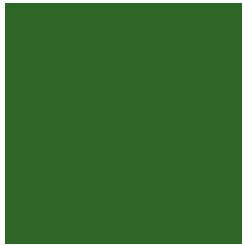


21.1053, 0.2939, 0.1392



# Previews

## White Background



This preview shows how the Yxy color 10.3695, 0.3109, 0.5181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

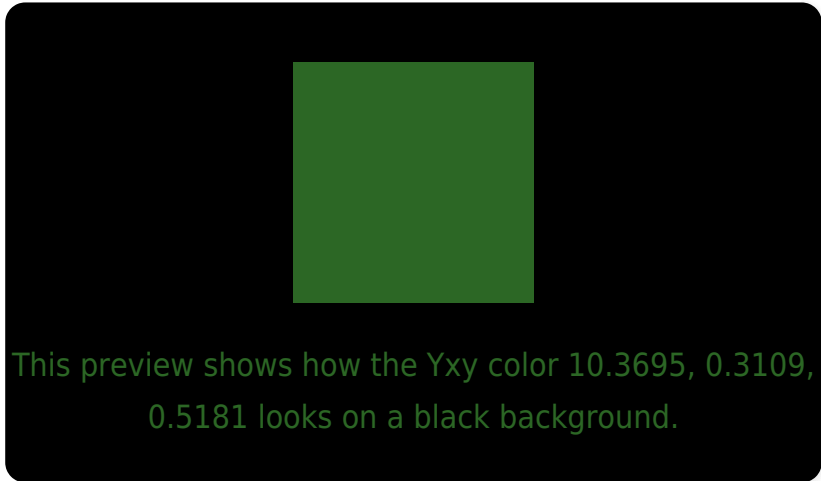
Any Text WCAG AA ✓ Pass

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

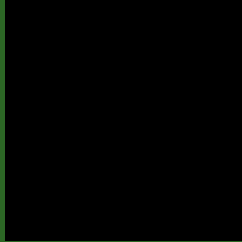
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 10.3695, 0.3109, 0.5181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 10.3695, 0.3109, 0.5181.



This preview shows how white text looks on a background with the Yxy color 10.3695, 0.3109, 0.5181.

# 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

10.3695, 0.3109, 0.5181

### Protanopia

10.1888, 0.4150, 0.4548

### Deuteranopia

10.2023, 0.4271, 0.4230



## Tritanopia

10.2950, 0.2539, 0.3081

# Trichromacy



## Original Color

10.3695, 0.3109, 0.5181

## Protanomaly

10.0054, 0.3709, 0.4826

## Deuteranomaly

9.8337, 0.3795, 0.4584

## Tritanomaly

10.2871, 0.2762, 0.3824

# Monochromacy



## Original Color

10.3695, 0.3109, 0.5181

## Achromatopsia

7.6185, 0.3127, 0.3290

## Achromatomaly

8.3335, 0.3142, 0.3997

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 10.3695, 0.3109, 0.5181 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(44, 103, 37)` looks like.

```
.text, #text, p{  
    color:rgb(44, 103, 37)  
}
```

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(44, 103, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 103, 37) }
```

## Border

The CSS property to change the border of an element to Yxy 10.3695, 0.3109, 0.5181 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(44, 103, 37) }
```

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

```
.border{ border-color:rgb(44, 103, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 103, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 103, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 103, 37);  
box-shadow:4px 4px 4px 4px rgb(44, 103,  
37) }
```



# Background

The CSS property to change the background color of an element to Yxy 10.3695, 0.3109, 0.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 103, 37) }
```

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

```
.background{ background-color: rgb(44, 103,  
37) }
```

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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