

# Converting Colors

$Y_{xy}(15.0513, 0.3268, 0.3149)$

Have a look what the booklet for  
Yxy(15.0513, 0.3268, 0.3149)  
contains.

<b>Yxy(15.0414, 0.3261, 0.3151)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(15.0414, 0.3261, 0.3151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78686F
RGB	120, 104, 111
RGB Percent	47%, 41%, 44%
CMY	0.5294, 0.5922, 0.5646
CMYK	0.00, 0.13, 0.07, 0.53
HSL	334°, 7%, 44%
HSV	334°, 13%, 47%
XYZ	15.5665, 15.0414, 17.1274
YIQ	109.5820, 7.2890, 5.5690

# Conversions

## Conversions Part 2

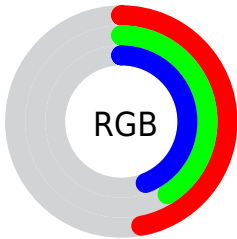
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 104, 111
Decimal	7891055
CIE Lab	45.69, 7.65, -1.60
CIE LCh	46, 7.817, 348.195
Yxy	15.0414, 0.3261, 0.3151
Android (android.graphics.Color)	4286081135 (0xFF78686F)
YUV	109.5820, 0.6991, 9.1366
Hunter-Lab	38.7832, 3.7741, 0.9647

# Details

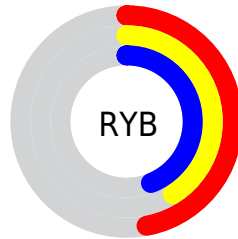
The Yxy color **15.0414, 0.3261, 0.3151** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5688, 0.3011, 0.3433**, and the grayscale version is **15.4642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8577, 0.3221, 0.3177**, and **4.6247, 0.3324, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **12.6528, 0.3385, 0.3041**, and if you desaturate by 10%, it is **17.7864, 0.3158, 0.3256**.

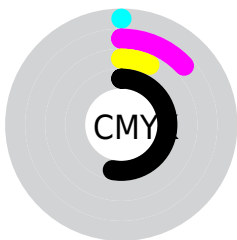
# Distribution



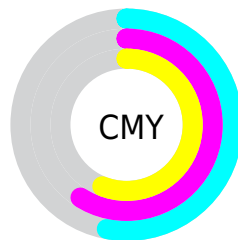
- Red (47%)
- Green (41%)
- Blue (44%)



- Red (47%)
- Yellow (41%)
- Blue (44%)



- Cyan (0%)
- Magenta (13%)
- Yellow (7%)
- Black (53%)




- Cyan (53%)
- Magenta (59%)
- Yellow (56%)
- Black (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0414, 0.3261, 0.3151 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 15.0414, 0.3261, 0.3151 by changing the saturation by 10% instead.




 15.0414, 0.3261,  
0.3151


 15.0414, 0.3261,  
0.3151


223.6167, 0.3182,  
0.3233


 8.8484, 0.3287,  
0.3125


 34.9258, 0.3229,  
0.3185


 4.6425, 0.3324,  
0.3086

 49.3860, 0.3218,  
0.3196

 2.0390, 0.3385,  
0.3024

 67.3708, 0.3209,  
0.3205

 0.6300, 0.3549,  
0.2846

 89.2645, 0.3201,  
0.3213

 0.0000, 0.0000,  
0.0000

115.4516, 0.3195,  
0.3219

146.3163, 0.3190,

0.3224

182.2432, 0.3186,  
0.3229

■ 15.0414, 0.3261,  
0.3151

■ 15.0414, 0.3261,  
0.3151

■ 12.6528, 0.3385,  
0.3041

■ 17.7864, 0.3158,  
0.3256

■ 10.6038, 0.3534,  
0.2928

■ 20.8995, 0.3072,  
0.3355

■ 8.8795, 0.3709,  
0.2817

■ 24.3947, 0.3001,  
0.3447

■ 7.4628, 0.3914,  
0.2713

■ 28.2842, 0.2942,  
0.3531

■ 6.3352, 0.4146,  
0.2627

■ 32.5800, 0.2892,  
0.3609

■ 5.4761, 0.4403,  
0.2568

■ 37.2934, 0.2852,  
0.3681

■ 4.8622, 0.4674,  
0.2548

■ 42.4354, 0.2817,  
0.3746

■ 4.4637, 0.4946,  
0.2575

■ 48.0165, 0.2789,  
0.3806

■ 4.2471, 0.5132,  
0.2601

■ 54.0468, 0.2765,  
0.3861

# Harmonies

## Analogous

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



15.0414, 0.3101, 0.3057



15.0414, 0.3261, 0.3151



15.0414, 0.3387, 0.3281

# Triad

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



15.0414, 0.3261, 0.3151



15.0414, 0.3301, 0.3570



15.0414, 0.2822, 0.3151

# Complementary

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



15.0414, 0.3261, 0.3151



17.5688, 0.3011, 0.3433

# 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.



15.0414, 0.2873, 0.3291



15.0414, 0.3261, 0.3151



15.0414, 0.3147, 0.3539

# Square

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



15.0414, 0.3261, 0.3151



15.0414, 0.3410, 0.3524



15.0414, 0.2991, 0.3435



15.0414, 0.2851, 0.3054



# Rectangle

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



15.0414, 0.3261, 0.3151



15.0414, 0.3433, 0.3373



15.0414, 0.2991, 0.3435



15.0414, 0.2831, 0.3195

# Sweetspot

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



15.0421, 0.3261, 0.3151



30.8908, 0.3165, 0.3248



14.7543, 0.3043, 0.2969



7.2432, 0.3171, 0.3242



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290



# Same Dimension

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



15.0421, 0.3261, 0.3151



25.1055, 0.3297, 0.3118



15.0553, 0.3355, 0.3307



4.0415, 0.3215, 0.3197



4.6303, 0.5141, 0.2606



21.9216, 0.5263, 0.2673



# Inverse Universe

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



15.0421, 0.3261, 0.3151



25.1055, 0.3297, 0.3118



17.5414, 0.2933, 0.3273



4.0415, 0.3215, 0.3197



4.6303, 0.5141, 0.2606



21.9216, 0.5263, 0.2673



# Previews

## White Background



This preview shows how the Yxy color 15.0414, 0.3261, 0.3151 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 15.0414, 0.3261, 0.3151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

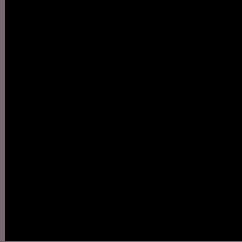
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 15.0414, 0.3261, 0.3151**

## **Background**



This preview shows how black text looks on a background with the Yxy color 15.0414, 0.3261, 0.3151.



This preview shows how white text looks on a background with the Yxy color 15.0414, 0.3261, 0.3151.

# 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

15.0414, 0.3261, 0.3151

### Protanopia

15.1686, 0.3078, 0.3187

### Deuteranopia

15.1024, 0.3231, 0.3170



## Tritanopia

15.0636, 0.3248, 0.3132

# Trichromacy



## Original Color

15.0414, 0.3261, 0.3151

## Protanomaly

15.1960, 0.3146, 0.3188

## Deuteranomaly

15.1728, 0.3245, 0.3171

## Tritanomaly

15.0636, 0.3248, 0.3132

# Monochromacy



## Original Color

15.0414, 0.3261, 0.3151

## Achromatopsia

15.5926, 0.3127, 0.3290

## Achromatomaly

15.4283, 0.3184, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.0414, 0.3261, 0.3151 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(120, 104, 111)` looks like.

```
.text, #text, p{  
    color:rgb(120, 104, 111)  
}
```

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(120, 104, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 104, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 15.0414, 0.3261, 0.3151 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(120, 104, 111) }
```

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

```
.border{ border-color:rgb(120, 104, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 104, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 104, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 104, 111);  
box-shadow:4px 4px 4px 4px rgb(120, 104,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 15.0414, 0.3261, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 104, 111) }
```

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

```
.background{ background-color: rgb(120,  
104, 111) }
```

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