

# Converting Colors

$Y_{xy}(10.0851, 0.2916, 0.3798)$

Have a look what the booklet for  
Yxy(10.0851, 0.2916, 0.3798)  
contains.

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# Color

**Yxy(10.0396, 0.2918, 0.3786)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	41604E
RGB	65, 96, 78
RGB Percent	25%, 38%, 31%
CMY	0.7451, 0.6235, 0.6941
CMYK	0.32, 0.00, 0.19, 0.62
HSL	145°, 19%, 32%
HSV	145°, 32%, 38%
XYZ	7.7379, 10.0396, 8.7402
YIQ	84.6790, -12.6980, -12.1700

# Conversions

## Conversions Part 2

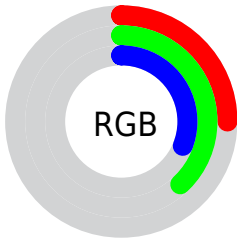
<b>Format</b>	<b>Color</b>
<b>RYB</b>	65, 87, 96
Decimal	4284494
CIELab	37.91, -15.68, 6.68
CIELCh	38, 17.046, 156.931
Yxy	10.0396, 0.2918, 0.3786
Android (android.graphics.Color)	4282474574 (0xFF41604E)
YUV	84.6790, -3.2927, -17.2585
Hunter-Lab	31.6853, -11.8579, 5.8249

# Details

The Yxy color **10.0396, 0.2918, 0.3786** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.8907, 0.3414, 0.2843**, and the grayscale version is **9.0227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9772, 0.2980, 0.3651**, and **2.4608, 0.2776, 0.4077** is the 20% darker color. If you saturate the color by 10%, you get **9.6633, 0.2862, 0.3971**, and if you desaturate by 10%, it is **10.4792, 0.2980, 0.3615**.

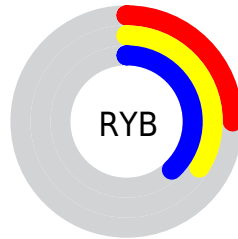
# Distribution



Red (25%)

Green (38%)

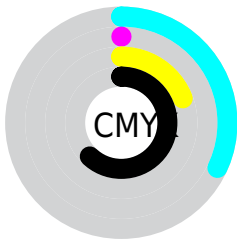
Blue (31%)



Red (25%)

Yellow (34%)

Blue (38%)

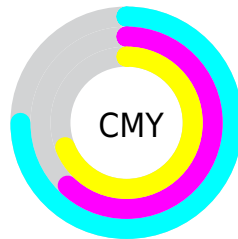


Cyan (32%)

Magenta (0%)

Yellow (19%)

Black (62%)



Cyan (75%)

Magenta (62%)


Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0396, 0.2918, 0.3786 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 10.0396, 0.2918, 0.3786 by changing the saturation by 10% instead.





 10.0396, 0.2918,  
0.3786


 10.0396, 0.2918,  
0.3786


190.9545, 0.3053,  
0.3468


 5.4252, 0.2866,  
0.3908

 25.8700, 0.2978,  
0.3645


 2.4989, 0.2779,  
0.4110


 37.8547, 0.2996,  
0.3601

 0.8761, 0.2481,  
0.4833

 53.0651, 0.3011,  
0.3567

 0.0000, 0.0000,  
0.0000

 71.8854, 0.3023,  
0.3539

 94.7001, 0.3032,  
0.3516

 121.8936, 0.3040,

0.3498

153.8503, 0.3047,  
0.3482

■ 10.0396, 0.2918,  
0.3786

■ 10.0396, 0.2918,  
0.3786

■ 9.6633, 0.2862,  
0.3971

■ 10.4792, 0.2980,  
0.3615

■ 9.3460, 0.2815,  
0.4169

■ 10.9837, 0.3045,  
0.3460

■ 9.0850, 0.2778,  
0.4376


■ 11.5561, 0.3112,  
0.3320


■ 8.8767, 0.2756,  
0.4588


■ 12.1987, 0.3179,  
0.3195


■ 8.7171, 0.2749,  
0.4798


■ 12.9141, 0.3245,  
0.3084

 8.6003, 0.2758,  
0.5002

 13.7043, 0.3309,  
0.2986

 8.5216, 0.2765,  
0.5154

 14.5716, 0.3370,  
0.2899

 15.5179, 0.3430,  
0.2823

 16.5452, 0.3486,  
0.2756

# Harmonies

## Analogous

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



10.0396, 0.3312, 0.3989



10.0396, 0.2918, 0.3786



10.0396, 0.2594, 0.3424

# Triad

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



10.0396, 0.2918, 0.3786



10.0396, 0.2586, 0.2650



10.0396, 0.3895, 0.3455

# Complementary

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



10.0396, 0.2918, 0.3786



6.8907, 0.3414, 0.2843

# 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.



10.0396, 0.3677, 0.3133



10.0396, 0.2918, 0.3786



10.0396, 0.2906, 0.2686

# Square

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



10.0396, 0.2918, 0.3786



10.0396, 0.2413, 0.2771



10.0396, 0.3306, 0.2860



10.0396, 0.3890, 0.3759



# Rectangle

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



10.0396, 0.2918, 0.3786



10.0396, 0.2456, 0.3165



10.0396, 0.3306, 0.2860



10.0396, 0.3846, 0.3346

# Sweetspot

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



10.0400, 0.2918, 0.3786



19.4302, 0.3058, 0.3431



10.5905, 0.3365, 0.4091



4.8013, 0.3052, 0.3445



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290



# Same Dimension

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



10.0400, 0.2918, 0.3786



17.0573, 0.2873, 0.3931



10.2875, 0.2727, 0.3357



2.8721, 0.3068, 0.3411



11.8387, 0.2774, 0.5187



63.0766, 0.2804, 0.5295



# Inverse Universe

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



6.8907, 0.3414, 0.2843



10.5648, 0.3508, 0.2731



6.6787, 0.3740, 0.3226



2.6120, 0.3192, 0.3173



3.8405, 0.4547, 0.2278



20.3380, 0.4651, 0.2336



# Previews

## White Background



This preview shows how the Yxy color 10.0396, 0.2918, 0.3786 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 10.0396, 0.2918, 0.3786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

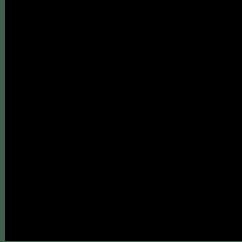
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

**Yxy 10.0396, 0.2918, 0.3786**

## Background



This preview shows how black text looks on a background with the Yxy color 10.0396, 0.2918, 0.3786.



This preview shows how white text looks on a background with the Yxy color 10.0396, 0.2918, 0.3786.

# 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

10.0396, 0.2918, 0.3786

### Protanopia

10.0189, 0.3445, 0.3662

### Deuteranopia

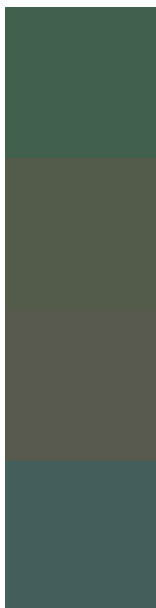
10.0015, 0.3482, 0.3433



## Tritanopia

10.0509, 0.2704, 0.3109

# Trichromacy



## Original Color

10.0396, 0.2918, 0.3786

## Protanomaly

10.0013, 0.3233, 0.3732

## Deuteranomaly

9.9515, 0.3261, 0.3569

## Tritanomaly

10.0071, 0.2778, 0.3342

# Monochromacy



## Original Color

10.0396, 0.2918, 0.3786

## Achromatopsia

9.0842, 0.3127, 0.3290

## Achromatomaly

9.3737, 0.3054, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  10.0396, 0.2918, 0.3786 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(65, 96, 78)` looks like.

```
.text, #text, p{  
  color:rgb(65, 96, 78)  
}
```

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(65, 96, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 96, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 10.0396, 0.2918, 0.3786 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(65, 96, 78) }
```

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

```
.border{ border-color:rgb(65, 96, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 96, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 96, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 96, 78);  
box-shadow:4px 4px 4px 4px rgb(65, 96, 78)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 10.0396, 0.2918, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 96, 78) }
```

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

```
.background{ background-color: rgb(65, 96,  
78) }
```

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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