

# Converting Colors

$Y_{xy}(14.4205, 0.2935, 0.3589)$

Have a look what the booklet for  
Yxy(14.4205, 0.2935, 0.3589)  
contains.

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# Color

**$\text{Yxy}(14.4205, 0.2935, 0.3589)$**

# Conversions

Conversions Part 1	
Format	Color
Hex	557063
RGB	85, 112, 99
RGB Percent	33%, 44%, 39%
CMY	0.6667, 0.5608, 0.6118
CMYK	0.24, 0.00, 0.12, 0.56
HSL	151°, 14%, 39%
HSV	151°, 24%, 44%
XYZ	11.7927, 14.4205, 13.9665
YIQ	102.4450, -11.9190, -9.7670

# Conversions

## Conversions Part 2

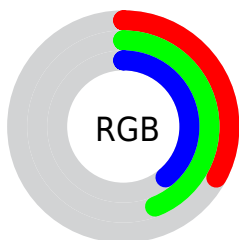
Format	Color
<a href="#">RYB</a>	<a href="#">85, 103, 112</a>
Decimal	<a href="#">5599331</a>
CIELab	<a href="#">44.83, -12.82, 4.01</a>
CIELCh	<a href="#">45, 13.432, 162.609</a>
Yxy	<a href="#">14.4205, 0.2935, 0.3589</a>
Android (android.graphics.Color)	<a href="#">4283789411</a> (0xFF557063)
YUV	<a href="#">102.4450, -1.6984, -15.2993</a>
Hunter-Lab	<a href="#">37.9743, -11.0228, 4.7759</a>

# Details

The Yxy color **14.4205, 0.2935, 0.3589** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.8242, 0.3374, 0.3010**, and the grayscale version is **13.4170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9038, 0.2980, 0.3511**, and **4.3552, 0.2831, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **13.8380, 0.2862, 0.3735**, and if you desaturate by 10%, it is **15.0941, 0.3013, 0.3456**.

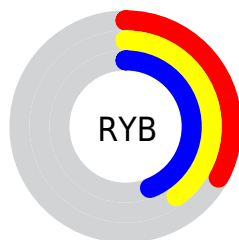
# Distribution



Red (33%)

Green (44%)

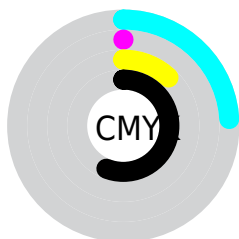
Blue (39%)



Red (33%)

Yellow (40%)

Blue (44%)

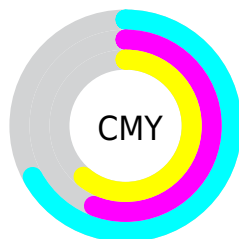


Cyan (24%)

Magenta (0%)

Yellow (12%)

Black (56%)



Cyan (67%)

Magenta (56%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.4205, 0.2935, 0.3589 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 14.4205, 0.2935, 0.3589 by changing the saturation by 10% instead.





 14.4205, 0.2935,  
0.3589


 14.4205, 0.2935,  
0.3589


219.8313, 0.3051,  
0.3408


 8.4137, 0.2896,  
0.3651


 33.8333, 0.2984,  
0.3513


 4.3608, 0.2837,  
0.3745

 48.0081, 0.3000,  
0.3488


 1.8774, 0.2737,  
0.3904

 65.6744, 0.3013,  
0.3467

 0.5347, 0.1893,  
0.5184

 87.2165, 0.3023,  
0.3451

 0.0000, 0.0000,  
0.0000


 113.0188, 0.3032,  
0.3437


143.4658, 0.3039,


0.3426

178.9419, 0.3046,  
0.3416


 14.4205, 0.2935,  
0.3589


 14.4205, 0.2935,  
0.3589

 13.8380, 0.2862,  
0.3735


 15.0941, 0.3013,  
0.3456


 13.3407, 0.2797,  
0.3892


 15.8608, 0.3094,  
0.3336


 12.9249, 0.2743,  
0.4059


 16.7247, 0.3175,  
0.3228


 12.5859, 0.2702,  
0.4234


 17.6891, 0.3257,  
0.3132


 12.3184, 0.2677,  
0.4413


 18.7573, 0.3337,  
0.3047

 12.1165, 0.2670,  
0.4593

 19.9323, 0.3414,  
0.2972

 11.9710, 0.2679,  
0.4769

 21.2171, 0.3489,  
0.2906

 11.8950, 0.2687,  
0.4871

 22.6144, 0.3561,  
0.2848

 24.1269, 0.3629,  
0.2797

# Harmonies

## Analogous

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



14.4205, 0.3209, 0.3754



14.4205, 0.2935, 0.3589



14.4205, 0.2719, 0.3336

# Triad

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



14.4205, 0.2935, 0.3589



14.4205, 0.2782, 0.2830



14.4205, 0.3673, 0.3458

# Complementary

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



14.4205, 0.2935, 0.3589



10.8242, 0.3374, 0.3010

# 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.



14.4205, 0.3549, 0.3225



14.4205, 0.2935, 0.3589



14.4205, 0.3026, 0.2874

# Square

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



14.4205, 0.2935, 0.3589



14.4205, 0.2633, 0.2902



14.4205, 0.3308, 0.3016



14.4205, 0.3642, 0.3661



# Rectangle

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



14.4205, 0.2935, 0.3589



14.4205, 0.2633, 0.3162



14.4205, 0.3308, 0.3016



14.4205, 0.3648, 0.3381

# Sweetspot

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



14.4211, 0.2935, 0.3589



27.4302, 0.3069, 0.3371



14.8443, 0.3273, 0.3894



6.5773, 0.3065, 0.3376



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290



# Same Dimension

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



14.4211, 0.2935, 0.3589



24.7353, 0.2893, 0.3670



14.5911, 0.2790, 0.3279



3.7894, 0.3054, 0.3393



13.7462, 0.2690, 0.4883



68.3009, 0.2715, 0.4974



# Inverse Universe

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



10.8242, 0.3374, 0.3010



17.2341, 0.3449, 0.2940



10.6693, 0.3591, 0.3301



3.4258, 0.3207, 0.3189



4.2849, 0.4957, 0.2504



21.1722, 0.5078, 0.2571



# Previews

## White Background



This preview shows how the Yxy color 14.4205, 0.2935, 0.3589 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 14.4205, 0.2935, 0.3589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

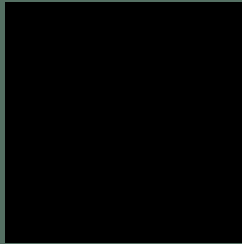
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 14.4205, 0.2935, 0.3589**

## Background



This preview shows how black text looks on a background with the Yxy color 14.4205, 0.2935, 0.3589.



This preview shows how white text looks on a background with the Yxy color 14.4205, 0.2935, 0.3589.

# 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

14.4205, 0.2935, 0.3589

### Protanopia

14.2444, 0.3332, 0.3504

### Deuteranopia

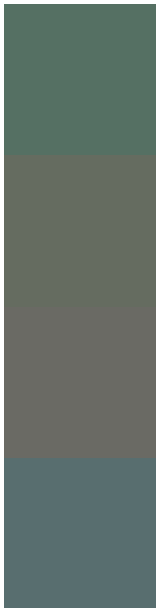
14.2939, 0.3376, 0.3311



## Tritanopia

14.3691, 0.2767, 0.3093

# Trichromacy



**Original Color**  
14.4205, 0.2935, 0.3589

**Protanomaly**  
14.3364, 0.3184, 0.3554

**Deuteranomaly**  
14.2923, 0.3205, 0.3419

**Tritanomaly**  
14.3743, 0.2834, 0.3267

# Monochromacy



**Original Color**  
14.4205, 0.2935, 0.3589

**Achromatopsia**  
13.2868, 0.3127, 0.3290

**Achromatomaly**  
13.7344, 0.3053, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.4205, 0.2935, 0.3589 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(85, 112, 99) looks like.

```
.text, #text, p{  
    color:rgb(85, 112, 99)  
}
```

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(85, 112, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 112, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 14.4205, 0.2935, 0.3589 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(85, 112, 99) }
```

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

```
.border{ border-color:rgb(85, 112, 99) }
```

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

Here you see how a box with a 4 pixel rgb(85, 112, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 112, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 112, 99);  
box-shadow:4px 4px 4px 4px rgb(85, 112,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 14.4205, 0.2935, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 112, 99) }
```

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

```
.background{ background-color: rgb(85, 112,  
99) }
```

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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