

# Converting Colors

$Yxy(44.6453, 0.2942, 0.3180)$

Have a look what the booklet for  
Yxy(44.6453, 0.2942, 0.3180)  
contains.

<b>Yxy(44.8289, 0.2941, 0.3182)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(44.8289, 0.2941, 0.3182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6B5BD
RGB	166, 181, 189
RGB Percent	65%, 71%, 74%
CMY	0.3491, 0.2902, 0.2588
CMYK	0.12, 0.04, 0.00, 0.26
HSL	201°, 15%, 70%
HSV	201°, 12%, 74%
XYZ	41.4336, 44.8289, 54.6203
YIQ	177.4270, -11.5080, -0.6920

# Conversions

## Conversions Part 2

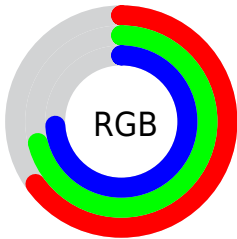
Format	Color
<a href="#">RYB</a>	<a href="#">166, 175, 189</a>
Decimal	<a href="#">10925501</a>
CIELab	<a href="#">72.78, -3.55, -5.85</a>
CIElCh	<a href="#">73, 6.840, 238.732</a>
Yxy	<a href="#">44.8289, 0.2941, 0.3182</a>
Android (android.graphics.Color)	<a href="#">4289115581</a> ( <a href="#">0xFFA6B5BD</a> )
YUV	<a href="#">177.4270, 5.7055, -10.0215</a>
Hunter-Lab	<a href="#">66.9544, -6.7084, -1.4997</a>

# Details

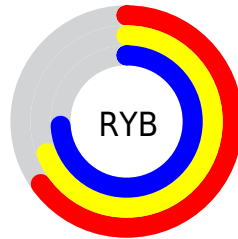
The Yxy color  $44.8289, 0.2941, 0.3182$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $43.8422, 0.3331, 0.3396$ , and the grayscale version is  $44.1766, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.5331, 0.2975, 0.3206$ , and  $20.7933, 0.2886, 0.3141$  is the 20% darker color. If you saturate the color by 10%, you get  $40.3262, 0.2787, 0.3083$ , and if you desaturate by 10%, it is  $49.7617, 0.3094, 0.3272$ .

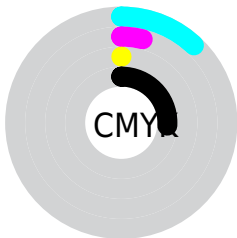
# Distribution



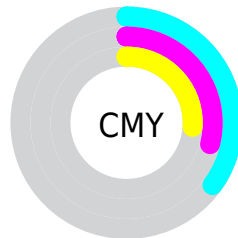
- Red (65%)
- Green (71%)
- Blue (74%)



- Red (65%)
- Yellow (69%)
- Blue (74%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)



- Cyan (35%)
- Magenta (29%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8289, 0.2941, 0.3182 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 44.8289, 0.2941, 0.3182 by changing the saturation by 10% instead.



■ 44.8289, 0.2941,  
0.3182

■ 44.8289, 0.2941,  
0.3182

366.0802, 0.3034,  
0.3237

■ 31.3227, 0.2918,  
0.3168

■ 82.4636, 0.2975,  
0.3202

■ 20.8447, 0.2888,  
0.3150

■ 107.3609, 0.2988,  
0.3210

■ 13.0105, 0.2848,  
0.3126

136.8239, 0.2998,  
0.3216

■ 7.4358, 0.2792,  
0.3091

171.2372, 0.3008,  
0.3221

■ 3.7361, 0.2708,  
0.3038

210.9851, 0.3016,  
0.3226

■ 1.5271, 0.2568,  
0.2948

256.4519, 0.3023,

■ 0.3077, 0.1637,

0.3230

0.2447

308.0221, 0.3029,  
0.3234

0.0000, 0.0000,  
0.0000

44.8289, 0.2941,  
0.3182

44.8289, 0.2941,  
0.3182

40.3262, 0.2787,  
0.3083

49.7617, 0.3094,  
0.3272

36.2331, 0.2635,  
0.2975

55.1328, 0.3244,  
0.3352

32.5357, 0.2489,  
0.2859

60.9573, 0.3389,  
0.3424

29.2172, 0.2352,  
0.2736

67.2478, 0.3529,  
0.3487

26.2590, 0.2227,  
0.2607

72.9598, 0.3619,  
0.3547

■ 23.6406, 0.2119,  
0.2475

■ 76.3509, 0.3602,  
0.3612

■ 21.3387, 0.2030,  
0.2341

■ 79.8778, 0.3586,  
0.3677

■ 19.3261, 0.1962,  
0.2210

■ 83.5418, 0.3570,  
0.3740

■ 17.9144, 0.1919,  
0.2108

■ 87.3446, 0.3554,  
0.3803

# Harmonies

## Analogous

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



44.8289, 0.2956, 0.3261



44.8289, 0.2941, 0.3182



44.8289, 0.2975, 0.3134

# Triad

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



44.8289, 0.2941, 0.3182



44.8289, 0.3239, 0.3232



44.8289, 0.3203, 0.3458

# Complementary

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



44.8289, 0.2941, 0.3182



43.8422, 0.3331, 0.3396

# 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.



44.8289, 0.3280, 0.3447



44.8289, 0.2941, 0.3182



44.8289, 0.3302, 0.3316

# Square

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



44.8289, 0.2941, 0.3182



44.8289, 0.3147, 0.3163



44.8289, 0.3317, 0.3394



44.8289, 0.3106, 0.3422



# Rectangle

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



44.8289, 0.2941, 0.3182



44.8289, 0.3022, 0.3125



44.8289, 0.3317, 0.3394



44.8289, 0.3232, 0.3460

# Sweetspot

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



44.8308, 0.2941, 0.3182



87.3889, 0.3065, 0.3256



47.5493, 0.3055, 0.3498



18.6458, 0.3054, 0.3249



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



44.8308, 0.2941, 0.3182



77.7337, 0.2894, 0.3153



40.4634, 0.2938, 0.3029



10.2358, 0.2985, 0.3208



12.1987, 0.1924, 0.2125



0.5958, 0.2010, 0.2436



# Inverse Universe

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



41.4242, 0.3210, 0.3095



70.3554, 0.3234, 0.3044



48.3447, 0.3313, 0.3539



9.6384, 0.3189, 0.3141



8.2612, 0.4314, 0.2150

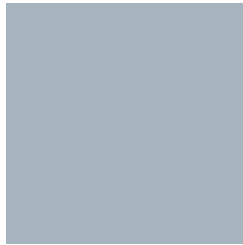


0.3355, 0.3986, 0.1969



# Previews

## White Background



This preview shows how the Yxy color 44.8289, 0.2941, 0.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

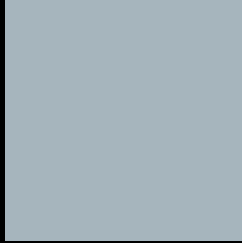
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8289, 0.2941, 0.3182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

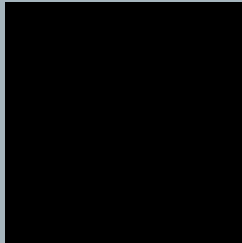
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

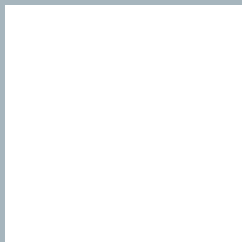
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.8289, 0.2941, 0.3182**

## Background



This preview shows how black text looks on a background with the Yxy color 44.8289, 0.2941, 0.3182.



This preview shows how white text looks on a background with the Yxy color 44.8289, 0.2941, 0.3182.

# 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

44.8289, 0.2941, 0.3182

### Protanopia

44.6158, 0.3064, 0.3159

### Deuteranopia

44.5959, 0.3129, 0.3061



## Tritanopia

44.7530, 0.2912, 0.3103

# Trichromacy



## Original Color

44.8289, 0.2941, 0.3182

## Protanomaly

44.4703, 0.3014, 0.3157

## Deuteranomaly

44.5921, 0.3058, 0.3108

## Tritanomaly

44.6638, 0.2927, 0.3129

# Monochromacy



## Original Color

44.8289, 0.2941, 0.3182

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.0612, 0.3060, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8289, 0.2941, 0.3182 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(166, 181, 189)` looks like.

```
.text, #text, p{  
    color:rgb(166, 181, 189)  
}
```

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(166, 181, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 181, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8289, 0.2941, 0.3182 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(166, 181, 189) }
```

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

```
.border{ border-color:rgb(166, 181, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 181, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 181, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 181, 189);  
box-shadow:4px 4px 4px 4px rgb(166, 181,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8289, 0.2941, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 181, 189) }
```

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

```
.background{ background-color: rgb(166,  
181, 189) }
```

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