

# Converting Colors

$Yxy(44.1382, 0.3140, 0.3267)$

Have a look what the booklet for  
Yxy(44.1382, 0.3140, 0.3267)  
contains.

<b>Yxy(44.3619, 0.3145, 0.3277)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Yxy(44.3619, 0.3145, 0.3277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4B1B2
RGB	180, 177, 178
RGB Percent	71%, 69%, 70%
CMY	0.2942, 0.3058, 0.3020
CMYK	0.00, 0.02, 0.01, 0.29
HSL	340°, 2%, 70%
HSV	340°, 2%, 71%
XYZ	42.5750, 44.3619, 48.4366
YIQ	178.0110, 1.4670, 0.9470

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 177, 178
Decimal	11841970
CIELab	72.47, 1.23, -0.14
CIELCh	72, 1.241, 353.476
Yxy	44.3619, 0.3145, 0.3277
Android (android.graphics.Color)	4290032050 (0xFFB4B1B2)
YUV	178.0110, -0.0054, 1.7444
Hunter-Lab	66.6047, -2.4578, 3.5061

# Details

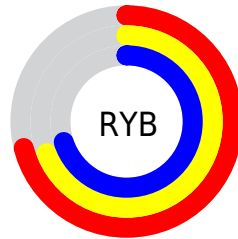
The Yxy color **44.3619, 0.3145, 0.3277** is a light color, and the websafe version is hex **999999**. A complement of this color would be **45.2337, 0.3110, 0.3303**, and the grayscale version is **44.5253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0512, 0.3141, 0.3280**, and **20.4080, 0.3152, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **37.2547, 0.3267, 0.3195**, and if you desaturate by 10%, it is **52.4528, 0.3045, 0.3353**.

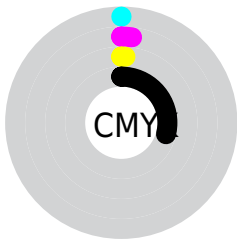
# Distribution



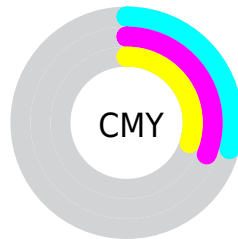
- Red (71%)
- Green (69%)
- Blue (70%)



- Red (71%)
- Yellow (69%)
- Blue (70%)



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (29%)



- Cyan (29%)
- Magenta (31%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3619, 0.3145, 0.3277 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 44.3619, 0.3145, 0.3277 by changing the saturation by 10% instead.



■ 44.3619, 0.3145,  
0.3277

■ 44.3619, 0.3145,  
0.3277

364.1831, 0.3136,  
0.3284

■ 30.9551, 0.3147,  
0.3275

■ 81.7620, 0.3142,  
0.3279

■ 20.5647, 0.3150,  
0.3273

106.5242, 0.3141,  
0.3280

■ 12.8062, 0.3154,  
0.3270

135.8402, 0.3139,  
0.3281

■ 7.2952, 0.3160,  
0.3266

170.0946, 0.3139,  
0.3282

■ 3.6474, 0.3168,  
0.3260

209.6717, 0.3138,  
0.3282

■ 1.4783, 0.3182,  
0.3249

254.9559, 0.3137,

■ 0.2734, 0.3329,

0.3283

0.3139

306.3315, 0.3137,  
0.3283

0.0000, 0.0000,  
0.0000

44.3619, 0.3145,  
0.3277

44.3619, 0.3145,  
0.3277

37.2547, 0.3267,  
0.3195

52.4528, 0.3045,  
0.3353

31.0880, 0.3417,  
0.3108

61.5571, 0.2963,  
0.3424

25.8237, 0.3598,  
0.3018

71.7104, 0.2896,  
0.3488

21.4191, 0.3817,  
0.2930

82.9447, 0.2840,  
0.3547

17.8280, 0.4076,  
0.2850

87.3945, 0.2784,  
0.3475

■ 14.9997, 0.4374,  
0.2787

■ 88.1241, 0.2725,  
0.3342

■ 12.8778, 0.4705,  
0.2752

■ 88.4398, 0.2701,  
0.3289

■ 11.3980, 0.5050,  
0.2756

■ 10.4841, 0.5383,  
0.2809

# Harmonies

## Analogous

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



44.3619, 0.3128, 0.3265



44.3619, 0.3145, 0.3277



44.3619, 0.3157, 0.3292

# Triad

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



44.3619, 0.3145, 0.3277



44.3619, 0.3144, 0.3321



44.3619, 0.3093, 0.3273

# Complementary

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



44.3619, 0.3145, 0.3277



45.2337, 0.3110, 0.3303

# 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.



44.3619, 0.3097, 0.3288



44.3619, 0.3145, 0.3277



44.3619, 0.3127, 0.3316

# Square

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



44.3619, 0.3145, 0.3277



44.3619, 0.3157, 0.3318



44.3619, 0.3110, 0.3303



44.3619, 0.3098, 0.3263



# Rectangle

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



44.3619, 0.3145, 0.3277



44.3619, 0.3161, 0.3303



44.3619, 0.3110, 0.3303



44.3619, 0.3093, 0.3278

# Sweetspot

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



44.3638, 0.3145, 0.3277



82.7571, 0.3127, 0.3290



44.3258, 0.3120, 0.3251



17.8868, 0.3127, 0.3290



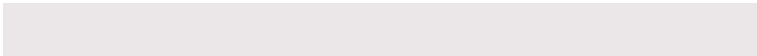
91.1408, 0.3127, 0.3290

# Same Dimension

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



44.3638, 0.3145, 0.3277



79.9327, 0.3149, 0.3274



44.5195, 0.3153, 0.3297



9.7337, 0.3147, 0.3275



7.0107, 0.5606, 0.2862



0.2317, 0.4811, 0.2424

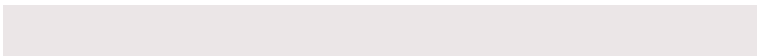


# Inverse Universe

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



44.3638, 0.3145, 0.3277



79.9327, 0.3149, 0.3274



45.0751, 0.3102, 0.3283



9.7337, 0.3147, 0.3275



7.0107, 0.5606, 0.2862

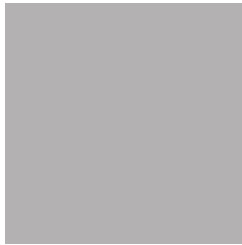


0.2317, 0.4811, 0.2424



# Previews

## White Background



This preview shows how the Yxy color 44.3619, 0.3145, 0.3277 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 44.3619, 0.3145, 0.3277 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

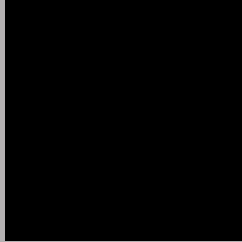
Any Text WCAG AAA ✓ Pass

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

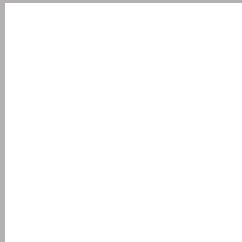


**Yxy 44.3619, 0.3145, 0.3277**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3619, 0.3145, 0.3277.

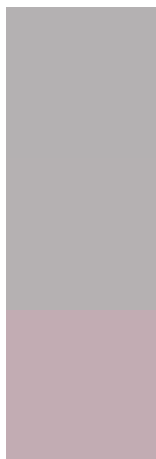


This preview shows how white text looks on a background with the Yxy color 44.3619, 0.3145, 0.3277.

# 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

44.3619, 0.3145, 0.3277

### Protanopia

44.4824, 0.3154, 0.3277

### Deuteranopia

44.2291, 0.3267, 0.3201



## Tritanopia

44.2792, 0.3075, 0.3108

# Trichromacy



## Original Color

44.3619, 0.3145, 0.3277

## Protanomaly

44.4824, 0.3154, 0.3277

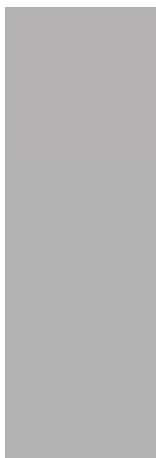
## Deuteranomaly

44.3456, 0.3219, 0.3226

## Tritanomaly

44.3772, 0.3098, 0.3172

# Monochromacy



## Original Color

44.3619, 0.3145, 0.3277

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.6388, 0.3136, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3619, 0.3145, 0.3277 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(180, 177, 178)` looks like.

```
.text, #text, p{  
    color:rgb(180, 177, 178)  
}
```

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(180, 177, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 177, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3619, 0.3145, 0.3277 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(180, 177, 178) }
```

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

```
.border{ border-color:rgb(180, 177, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 177, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 177, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 177, 178);  
box-shadow:4px 4px 4px 4px rgb(180, 177,  
178) }
```

# Background

The CSS property to change the background color of an element to Yxy 44.3619, 0.3145, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 177, 178) }
```

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

```
.background{ background-color: rgb(180,  
177, 178) }
```

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