

Converting Colors

$Yxy(44.4677, 0.3103, 0.3244)$

Have a look what the booklet for
Yxy(44.4677, 0.3103, 0.3244)
contains.

Yxy(44.6420, 0.3103, 0.3250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(44.6420, 0.3103, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	B2B2B5
RGB	178, 178, 181
RGB Percent	70%, 70%, 71%
CMY	0.3019, 0.3020, 0.2901
CMYK	0.02, 0.02, 0.00, 0.29
HSL	240°, 2%, 70%
HSV	240°, 2%, 71%
XYZ	42.6228, 44.6420, 50.0952
YIQ	178.3420, -0.9630, 0.9330

Conversions

Conversions Part 2

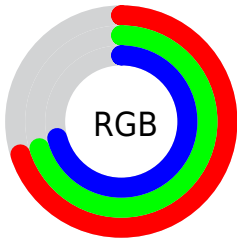
Format	Color
RYB	178, 178, 181
Decimal	11711157
CIELab	72.66, 0.58, -1.54
CIELCh	73, 1.647, 290.439
Yxy	44.6420, 0.3103, 0.3250
Android (android.graphics.Color)	4289901237 (0xFFB2B2B5)
YUV	178.3420, 1.3104, -0.2999
Hunter-Lab	66.8147, -3.0559, 2.3168

Details

The Yxy color `44.6420, 0.3103, 0.3250` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `46.0950, 0.3151, 0.3330`, and the grayscale version is `44.7063, 0.3127, 0.3290`.

A 20% lighter version of the original color is `82.4525, 0.3109, 0.3259`, and `20.5857, 0.3094, 0.3235` is the 20% darker color. If you saturate the color by 10%, you get `35.9087, 0.2946, 0.2990`, and if you desaturate by 10%, it is `54.6118, 0.3240, 0.3476`.

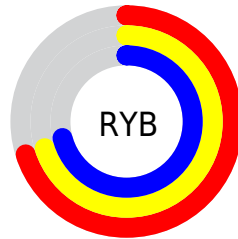
Distribution



Red (70%)

Green (70%)

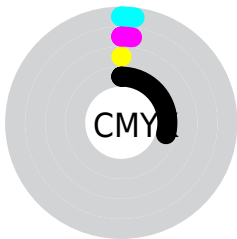
Blue (71%)



Red (70%)

Yellow (70%)

Blue (71%)

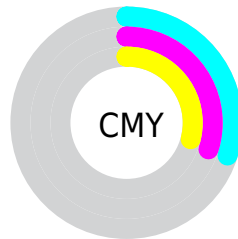


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (29%)



Cyan (30%)

Magenta (30%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6420, 0.3103, 0.3250 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 44.6420, 0.3103, 0.3250 by changing the saturation by 10% instead.

■ 44.6420, 0.3103,
0.3250

■ 44.6420, 0.3103,
0.3250

365.3217, 0.3115,
0.3270

■ 31.1755, 0.3100,
0.3245

■ 82.1829, 0.3107,
0.3257

■ 20.7326, 0.3096,
0.3238

107.0262, 0.3109,
0.3260

■ 12.9286, 0.3091,
0.3230

136.4305, 0.3111,
0.3262

■ 7.3794, 0.3083,
0.3217

170.7803, 0.3112,
0.3264

■ 3.7005, 0.3072,
0.3198

210.4599, 0.3113,
0.3266

■ 1.5075, 0.3052,
0.3167

255.8537, 0.3114,

■ 0.2940, 0.2890,

0.3268

0.2895

307.3462, 0.3115,
0.3269

0.0000, 0.0000,
0.0000

44.6420, 0.3103,
0.3250

44.6420, 0.3103,
0.3250

35.9087, 0.2946,
0.2990

54.6118, 0.3240,
0.3476

28.3583, 0.2769,
0.2697

65.8577, 0.3358,
0.3672

21.9417, 0.2573,
0.2374

78.4246, 0.3460,
0.3840

16.6042, 0.2364,
0.2028

92.3534, 0.3547,
0.3985

12.2866, 0.2151,
0.1676

96.1169, 0.3567,
0.4018

■ 8.9239, 0.1947,
0.1339

■ 6.4436, 0.1769,
0.1043

■ 4.7632, 0.1631,
0.0815

■ 3.7842, 0.1543,
0.0670

Harmonies

Analogous

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



44.6420, 0.3087, 0.3255



44.6420, 0.3103, 0.3250



44.6420, 0.3126, 0.3256

Triad

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



44.6420, 0.3103, 0.3250



44.6420, 0.3173, 0.3311



44.6420, 0.3106, 0.3310

Complementary

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



44.6420, 0.3103, 0.3250



46.0950, 0.3151, 0.3330

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.



44.6420, 0.3129, 0.3325



44.6420, 0.3103, 0.3250



44.6420, 0.3168, 0.3326

Square

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



44.6420, 0.3103, 0.3250



44.6420, 0.3166, 0.3291



44.6420, 0.3151, 0.3331



44.6420, 0.3089, 0.3289

Rectangle

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



44.6420, 0.3103, 0.3250



44.6420, 0.3141, 0.3265



44.6420, 0.3151, 0.3331



44.6420, 0.3113, 0.3316

Sweetspot

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



44.6439, 0.3103, 0.3250



82.7571, 0.3127, 0.3290



45.8571, 0.3101, 0.3290



17.8868, 0.3127, 0.3290



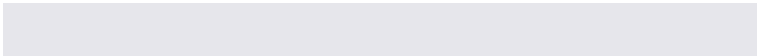
91.1408, 0.3127, 0.3290

Same Dimension

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



44.6439, 0.3103, 0.3250



79.3258, 0.3098, 0.3241



44.8230, 0.3116, 0.3250



9.6662, 0.3100, 0.3245



2.3006, 0.1500, 0.0600



0.0725, 0.1502, 0.0601

Inverse Universe

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



45.0043, 0.3129, 0.3250



80.1115, 0.3129, 0.3242



45.9139, 0.3138, 0.3330



9.7536, 0.3129, 0.3246



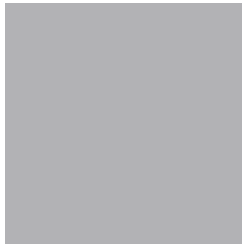
9.0687, 0.3211, 0.1542



0.2854, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 44.6420, 0.3103, 0.3250 looks on a white background.

Color Contrast Check

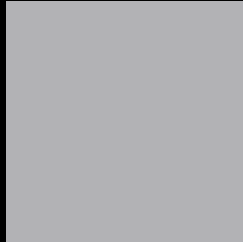
Large Text (above 18pt) WCAG AA × Fail

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 44.6420, 0.3103, 0.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

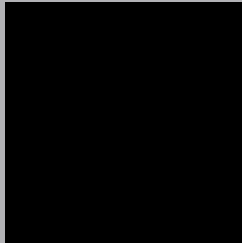
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

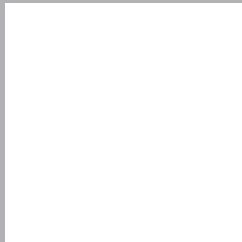
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6420, 0.3103, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 44.6420, 0.3103, 0.3250.

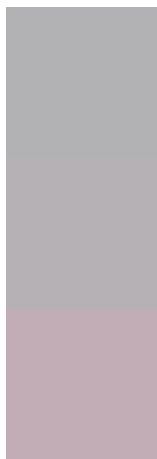


This preview shows how white text looks on a background with the Yxy color 44.6420, 0.3103, 0.3250.

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

44.6420, 0.3103, 0.3250

Protanopia

44.6042, 0.3130, 0.3237

Deuteranopia

44.7339, 0.3240, 0.3176



Tritanopia

44.7457, 0.3041, 0.3120

Trichromacy



Original Color

44.6420, 0.3103, 0.3250

Protanomaly

44.4838, 0.3121, 0.3237

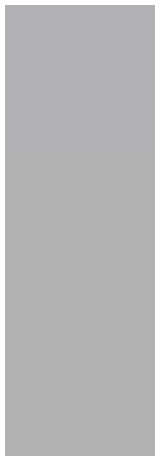
Deuteranomaly

44.7287, 0.3184, 0.3200

Tritanomaly

44.6158, 0.3064, 0.3159

Monochromacy



Original Color

44.6420, 0.3103, 0.3250

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.5604, 0.3119, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6420, 0.3103, 0.3250 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(178, 178, 181)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 181)  
}
```

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(178, 178, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 178, 181) }
```

Border

The CSS property to change the border of an element to Yxy 44.6420, 0.3103, 0.3250 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(178, 178, 181) }
```

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

```
.border{ border-color:rgb(178, 178, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 178, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 178, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 178, 181);  
box-shadow:4px 4px 4px 4px rgb(178, 178,  
181) }
```

Background

The CSS property to change the background color of an element to Yxy 44.6420, 0.3103, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 178, 181) }
```

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

```
.background{ background-color: rgb(178,  
178, 181) }
```

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