

Converting Colors

$Y_{xy}(43.7579, 0.3010, 0.3204)$

Have a look what the booklet for
Yxy(43.7579, 0.3010, 0.3204)
contains.

Yxy(43.8475, 0.3012, 0.3209)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.8475, 0.3012, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	AAB2B8
RGB	170, 178, 184
RGB Percent	67%, 70%, 72%
CMY	0.3332, 0.3020, 0.2785
CMYK	0.08, 0.03, 0.00, 0.28
HSL	206°, 9%, 69%
HSV	206°, 8%, 72%
XYZ	41.1557, 43.8475, 51.6359
YIQ	176.2920, -6.6940, 0.1700

Conversions

Conversions Part 2

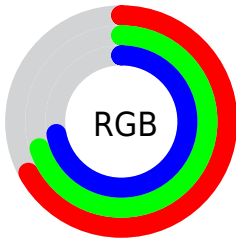
Format	Color
RYB	170, 175, 184
Decimal	11186872
CIELab	72.13, -1.59, -4.02
CIELCh	72, 4.324, 248.477
Yxy	43.8475, 0.3012, 0.3209
Android (android.graphics.Color)	4289376952 (0xFFAAB2B8)
YUV	176.2920, 3.8000, -5.5181
Hunter-Lab	66.2174, -4.9386, 0.1183

Details

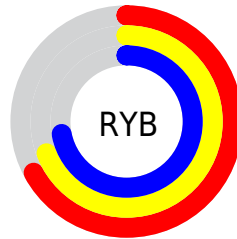
The Yxy color $43.8475, 0.3012, 0.3209$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $44.1604, 0.3247, 0.3370$, and the grayscale version is $43.5626, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.1445, 0.3031, 0.3227$, and $20.1575, 0.2980, 0.3178$ is the 20% darker color. If you saturate the color by 10%, you get $38.8811, 0.2857, 0.3092$, and if you desaturate by 10%, it is $49.2862, 0.3163, 0.3314$.

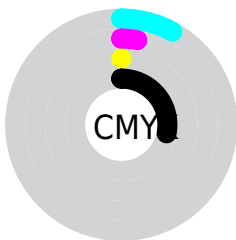
Distribution



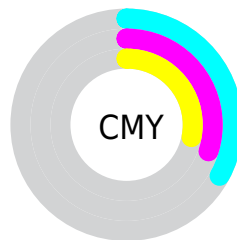
- Red (67%)
- Green (70%)
- Blue (72%)



- Red (67%)
- Yellow (69%)
- Blue (72%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)



- Cyan (33%)
- Magenta (30%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8475, 0.3012, 0.3209 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 43.8475, 0.3012, 0.3209 by changing the saturation by 10% instead.

■ 43.8475, 0.3012,
0.3209

■ 43.8475, 0.3012,
0.3209

362.0856, 0.3070,
0.3250

■ 30.5506, 0.2997,
0.3199

■ 80.9882, 0.3033,
0.3224

■ 20.2569, 0.2978,
0.3185

105.6009, 0.3041,
0.3230

■ 12.5819, 0.2953,
0.3167

134.7542, 0.3048,
0.3234

■ 7.1413, 0.2917,
0.3141

168.8327, 0.3054,
0.3239

■ 3.5506, 0.2863,
0.3101

208.2207, 0.3059,
0.3242

■ 1.4255, 0.2772,
0.3033

253.3026, 0.3063,

■ 0.2354, 0.1931,

0.3245

0.2457

304.4627, 0.3067,
0.3248

0.0000, 0.0000,
0.0000

43.8475, 0.3012,
0.3209

43.8475, 0.3012,
0.3209

38.8811, 0.2857,
0.3092

49.2862, 0.3163,
0.3314

34.3667, 0.2699,
0.2963

55.2059, 0.3309,
0.3408

30.2903, 0.2543,
0.2822

61.6218, 0.3447,
0.3492

26.6349, 0.2392,
0.2671

68.5467, 0.3578,
0.3565

23.3826, 0.2250,
0.2512

74.6334, 0.3646,
0.3636

■ 20.5132, 0.2122,
0.2348

■ 78.8248, 0.3625,
0.3713

■ 18.0048, 0.2012,
0.2181

■ 83.2146, 0.3604,
0.3790

■ 15.8319, 0.1922,
0.2016

■ 87.8055, 0.3584,
0.3864

■ 13.9584, 0.1854,
0.1856

■ 92.5999, 0.3564,
0.3937

Harmonies

Analogous

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



43.8475, 0.3011, 0.3254



43.8475, 0.3012, 0.3209



43.8475, 0.3044, 0.3186

Triad

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



43.8475, 0.3012, 0.3209



43.8475, 0.3214, 0.3270



43.8475, 0.3156, 0.3392

Complementary

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



43.8475, 0.3012, 0.3209



44.1604, 0.3247, 0.3370

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.



43.8475, 0.3211, 0.3395



43.8475, 0.3012, 0.3209



43.8475, 0.3245, 0.3324

Square

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



43.8475, 0.3012, 0.3209



43.8475, 0.3160, 0.3221



43.8475, 0.3244, 0.3370



43.8475, 0.3094, 0.3361

Rectangle

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



43.8475, 0.3012, 0.3209



43.8475, 0.3078, 0.3186



43.8475, 0.3244, 0.3370



43.8475, 0.3176, 0.3396

Sweetspot

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



43.8494, 0.3012, 0.3209



84.8583, 0.3097, 0.3269



45.9570, 0.3073, 0.3400



18.3164, 0.3098, 0.3270



93.3107, 0.3127, 0.3290



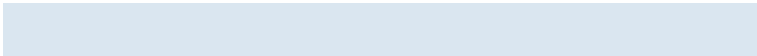
18.7317, 0.3127, 0.3290

Same Dimension

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



43.8494, 0.3012, 0.3209



78.0275, 0.2988, 0.3191



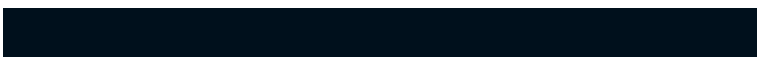
41.2153, 0.3012, 0.3116



9.5462, 0.2985, 0.3189



9.4724, 0.1844, 0.1837



0.4543, 0.1959, 0.2251

Inverse Universe

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



42.1694, 0.3186, 0.3185



74.4184, 0.3200, 0.3163



46.8895, 0.3239, 0.3458



9.0957, 0.3201, 0.3160



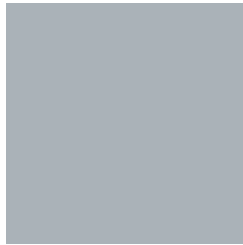
7.7386, 0.4641, 0.2330



0.2850, 0.4178, 0.2075

Previews

White Background



This preview shows how the Yxy color 43.8475, 0.3012, 0.3209 looks on a white background.

Color Contrast Check

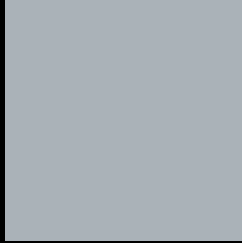
Large Text (above 18pt) WCAG AA × Fail

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 43.8475, 0.3012, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

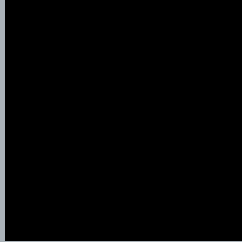
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

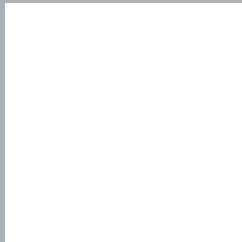
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.8475, 0.3012, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 43.8475, 0.3012, 0.3209.



This preview shows how white text looks on a background with the Yxy color 43.8475, 0.3012, 0.3209.

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

43.8475, 0.3012, 0.3209

Protanopia

43.9345, 0.3088, 0.3197

Deuteranopia

43.5758, 0.3180, 0.3111



Tritanopia

43.8638, 0.2966, 0.3104

Trichromacy



Original Color

43.8475, 0.3012, 0.3209

Protanomaly

43.9771, 0.3062, 0.3210

Deuteranomaly

43.8422, 0.3116, 0.3146

Tritanomaly

43.7330, 0.2989, 0.3143

Monochromacy



Original Color

43.8475, 0.3012, 0.3209

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.6976, 0.3085, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8475, 0.3012, 0.3209 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(170, 178, 184)` looks like.

```
.text, #text, p{  
    color:rgb(170, 178, 184)  
}
```

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(170, 178, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 178, 184) }
```

Border

The CSS property to change the border of an element to Yxy 43.8475, 0.3012, 0.3209 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(170, 178, 184) }
```

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

```
.border{ border-color:rgb(170, 178, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 178, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 178, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 178, 184);  
box-shadow:4px 4px 4px 4px rgb(170, 178,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8475, 0.3012, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 178, 184) }
```

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

```
.background{ background-color: rgb(170,  
178, 184) }
```

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