

Converting Colors

$Yxy(48.9373, 0.3027, 0.3252)$

Have a look what the booklet for
Yxy(48.9373, 0.3027, 0.3252)
contains.

Yxy(48.7233, 0.3031, 0.3251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.7233, 0.3031, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	B2BBBE
RGB	178, 187, 190
RGB Percent	70%, 73%, 75%
CMY	0.3019, 0.2667, 0.2549
CMYK	0.06, 0.02, 0.00, 0.25
HSL	195°, 8%, 72%
HSV	195°, 6%, 75%
XYZ	45.4261, 48.7233, 55.7223
YIQ	184.6510, -6.3270, -0.9750

Conversions

Conversions Part 2

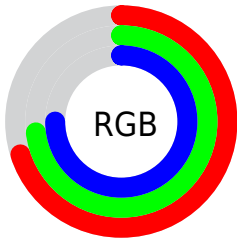
Format	Color
RYB	178, 183, 190
Decimal	11713470
CIELab	75.28, -2.52, -2.60
CIElCh	75, 3.619, 225.881
Yxy	48.7233, 0.3031, 0.3251
Android (android.graphics.Color)	4289903550 (0xFFB2BBBE)
YUV	184.6510, 2.6371, -5.8329
Hunter-Lab	69.8021, -5.9886, 1.5308

Details

The Yxy color **48.7233, 0.3031, 0.3251** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2120, 0.3229, 0.3329**, and the grayscale version is **48.3014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2474, 0.3052, 0.3260**, and **23.2163, 0.2997, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **44.6500, 0.2879, 0.3184**, and if you desaturate by 10%, it is **53.1786, 0.3183, 0.3312**.

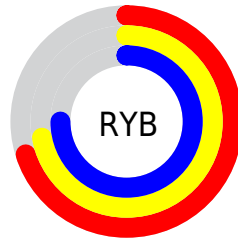
Distribution



Red (70%)

Green (73%)

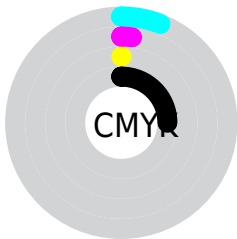
Blue (75%)



Red (70%)

Yellow (72%)

Blue (75%)

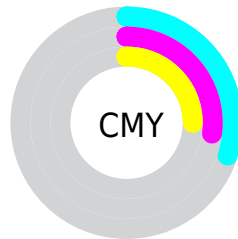


Cyan (6%)

Magenta (2%)

Yellow (0%)

Black (25%)



Cyan (30%)

Magenta (27%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7233, 0.3031, 0.3251 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 48.7233, 0.3031, 0.3251 by changing the saturation by 10% instead.

■ 48.7233, 0.3031,
0.3251

■ 48.7233, 0.3031,
0.3251

381.6520, 0.3079,
0.3271

■ 34.4000, 0.3019,
0.3246

■ 88.2804, 0.3048,
0.3258

■ 23.2011, 0.3004,
0.3240

114.2829, 0.3055,
0.3261

■ 14.7421, 0.2984,
0.3231

144.9474, 0.3060,
0.3263

■ 8.6386, 0.2957,
0.3220

180.6582, 0.3065,
0.3265

■ 4.5062, 0.2916,
0.3202

221.7996, 0.3069,
0.3267

■ 1.9606, 0.2849,
0.3173

268.7561, 0.3073,

■ 0.5844, 0.2605,

0.3268

0.3082

321.9121, 0.3076,
0.3269

0.0000, 0.0000,
0.0000

48.7233, 0.3031,
0.3251

48.7233, 0.3031,
0.3251

44.6500, 0.2879,
0.3184

53.1786, 0.3183,
0.3312

40.9391, 0.2731,
0.3111

58.0224, 0.3334,
0.3366

37.5786, 0.2588,
0.3032

63.2686, 0.3481,
0.3414

34.5530, 0.2456,
0.2948

68.9286, 0.3623,
0.3457

31.8459, 0.2336,
0.2860

71.4360, 0.3619,
0.3505

■ 29.4388, 0.2232,
0.2769

■ 73.8260, 0.3607,
0.3553

■ 27.3113, 0.2146,
0.2677

■ 76.2861, 0.3596,
0.3600

■ 25.4396, 0.2079,
0.2584

■ 78.8171, 0.3584,
0.3647

■ 23.7930, 0.2032,
0.2492

■ 81.4194, 0.3572,
0.3693

Harmonies

Analogous

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



48.7233, 0.3049, 0.3295



48.7233, 0.3031, 0.3251



48.7233, 0.3038, 0.3218

Triad

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



48.7233, 0.3031, 0.3251



48.7233, 0.3166, 0.3243



48.7233, 0.3185, 0.3377

Complementary

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



48.7233, 0.3031, 0.3251



47.2120, 0.3229, 0.3329

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.



48.7233, 0.3217, 0.3362



48.7233, 0.3031, 0.3251



48.7233, 0.3206, 0.3285

Square

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



48.7233, 0.3031, 0.3251



48.7233, 0.3116, 0.3214



48.7233, 0.3224, 0.3328



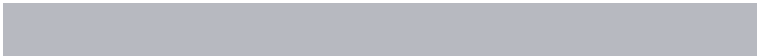
48.7233, 0.3138, 0.3368

Rectangle

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



48.7233, 0.3031, 0.3251



48.7233, 0.3057, 0.3207



48.7233, 0.3224, 0.3328



48.7233, 0.3198, 0.3374

Sweetspot

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



48.7254, 0.3031, 0.3251



91.6665, 0.3096, 0.3278



49.6199, 0.3099, 0.3410



20.1470, 0.3098, 0.3278



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



48.7254, 0.3031, 0.3251



86.9055, 0.3003, 0.3239



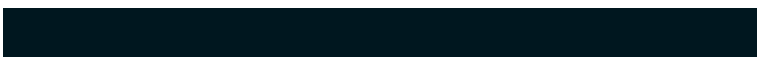
46.3165, 0.3032, 0.3175



10.3948, 0.2985, 0.3231



15.5699, 0.2020, 0.2470



0.7078, 0.2080, 0.2689

Inverse Universe

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



46.3804, 0.3158, 0.3176



81.5192, 0.3168, 0.3142



49.6174, 0.3223, 0.3402



9.6544, 0.3175, 0.3119



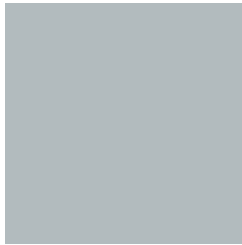
8.6015, 0.3952, 0.1951



0.3468, 0.3738, 0.1833

Previews

White Background



This preview shows how the Yxy color 48.7233, 0.3031, 0.3251 looks on a white background.

Color Contrast Check

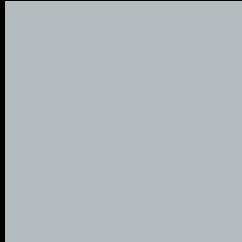
Large Text (above 18pt) WCAG AA × Fail

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 48.7233, 0.3031, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

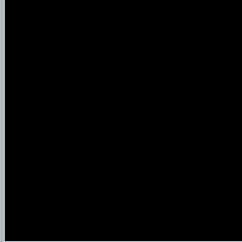
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

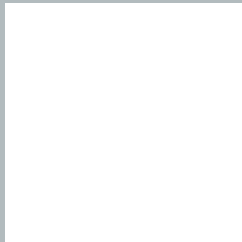
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7233, 0.3031, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 48.7233, 0.3031, 0.3251.



This preview shows how white text looks on a background with the Yxy color 48.7233, 0.3031, 0.3251.

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

48.7233, 0.3031, 0.3251

Protanopia

48.4766, 0.3121, 0.3239

Deuteranopia

48.6835, 0.3211, 0.3155



Tritanopia

48.5714, 0.2973, 0.3099

Trichromacy



Original Color

48.7233, 0.3031, 0.3251

Protanomaly

48.5624, 0.3088, 0.3239

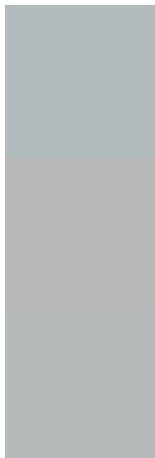
Deuteranomaly

48.8350, 0.3140, 0.3190

Tritanomaly

48.6870, 0.2995, 0.3162

Monochromacy



Original Color

48.7233, 0.3031, 0.3251

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6508, 0.3086, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7233, 0.3031, 0.3251 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, 187, 190)` looks like.

```
.text, #text, p{  
    color:rgb(178, 187, 190)  
}
```

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, 187, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 187, 190) }
```

Border

The CSS property to change the border of an element to Yxy 48.7233, 0.3031, 0.3251 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, 187, 190) }
```

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

```
.border{ border-color:rgb(178, 187, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 187, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 187, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 187, 190);  
box-shadow:4px 4px 4px 4px rgb(178, 187,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7233, 0.3031, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 187, 190) }
```

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

```
.background{ background-color: rgb(178,  
187, 190) }
```

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