

Converting Colors

$Yxy(48.1108, 0.3060, 0.3321)$

Have a look what the booklet for
Yxy(48.1108, 0.3060, 0.3321)
contains.

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Color

Yxy(48.2314, 0.3060, 0.3329)

Conversions

Conversions Part 1

Format	Color
Hex	B0BBB8
RGB	176, 187, 184
RGB Percent	69%, 73%, 72%
CMY	0.3096, 0.2667, 0.2784
CMYK	0.06, 0.00, 0.02, 0.27
HSL	164°, 7%, 71%
HSV	164°, 6%, 73%
XYZ	44.3341, 48.2314, 52.3171
YIQ	183.3690, -5.5930, -3.2650

Conversions

Conversions Part 2

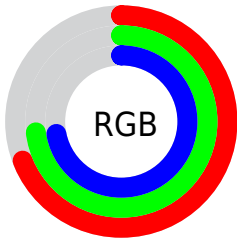
Format	Color
RYB	176, 182, 187
Decimal	11582392
CIELab	74.97, -4.35, 0.20
CIELCh	75, 4.353, 177.392
Yxy	48.2314, 0.3060, 0.3329
Android (android.graphics.Color)	4289772472 (0xFFB0BBB8)
YUV	183.3690, 0.3111, -6.4626
Hunter-Lab	69.4488, -7.5864, 3.9499

Details

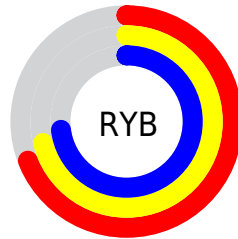
The Yxy color **48.2314, 0.3060, 0.3329** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8902, 0.3199, 0.3251**, and the grayscale version is **47.5723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5483, 0.3074, 0.3320**, and **22.8998, 0.3036, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **45.9901, 0.2948, 0.3401**, and if you desaturate by 10%, it is **50.7849, 0.3175, 0.3264**.

Distribution



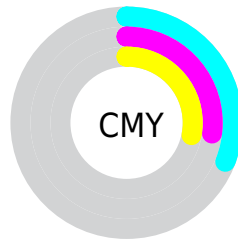
- Red (69%)
- Green (73%)
- Blue (72%)



- Red (69%)
- Yellow (71%)
- Blue (73%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)



- Cyan (31%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2314, 0.3060, 0.3329 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 48.2314, 0.3060, 0.3329 by changing the saturation by 10% instead.

■ 48.2314, 0.3060,
0.3329

■ 48.2314, 0.3060,
0.3329

379.7086, 0.3093,
0.3310

■ 34.0102, 0.3052,
0.3334

■ 87.5488, 0.3072,
0.3322

■ 22.9014, 0.3041,
0.3340

113.4138, 0.3077,
0.3319

■ 14.5207, 0.3027,
0.3348

143.9289, 0.3081,
0.3317

■ 8.4837, 0.3007,
0.3360

179.4784, 0.3084,
0.3315

■ 4.4060, 0.2978,
0.3376

220.4467, 0.3087,
0.3314

■ 1.9032, 0.2930,
0.3404

267.2182, 0.3089,

■ 0.5503, 0.2685,

0.3312

0.3545

320.1774, 0.3091,
0.3311

0.0000, 0.0000,
0.0000

48.2314, 0.3060,
0.3329

48.2314, 0.3060,
0.3329

45.9901, 0.2948,
0.3401

50.7849, 0.3175,
0.3264

44.0425, 0.2843,
0.3480

53.6559, 0.3292,
0.3205

42.3776, 0.2746,
0.3566

56.8575, 0.3408,
0.3154

40.9812, 0.2662,
0.3658

60.4002, 0.3523,
0.3108

39.8381, 0.2592,
0.3755

61.4301, 0.3514,
0.3058

■ 38.9312, 0.2539,
0.3855

■ 61.6888, 0.3472,
0.3007

■ 38.2415, 0.2506,
0.3957

■ 61.9557, 0.3430,
0.2956

■ 37.7470, 0.2492,
0.4060

■ 62.2310, 0.3389,
0.2905

■ 37.4197, 0.2496,
0.4162

■ 62.5146, 0.3348,
0.2855

Harmonies

Analogous

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



48.2314, 0.3117, 0.3373



48.2314, 0.3060, 0.3329



48.2314, 0.3021, 0.3275

Triad

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



48.2314, 0.3060, 0.3329



48.2314, 0.3077, 0.3188



48.2314, 0.3245, 0.3354

Complementary

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



48.2314, 0.3060, 0.3329



44.8902, 0.3199, 0.3251

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.



48.2314, 0.3234, 0.3304



48.2314, 0.3060, 0.3329



48.2314, 0.3137, 0.3209

Square

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



48.2314, 0.3060, 0.3329



48.2314, 0.3031, 0.3194



48.2314, 0.3195, 0.3252



48.2314, 0.3224, 0.3387

Rectangle

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



48.2314, 0.3060, 0.3329



48.2314, 0.3011, 0.3240



48.2314, 0.3195, 0.3252



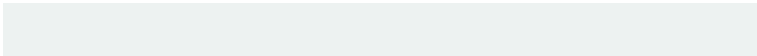
48.2314, 0.3245, 0.3338

Sweetspot

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



48.2334, 0.3060, 0.3329



88.0738, 0.3104, 0.3303



48.2752, 0.3146, 0.3434



19.4056, 0.3105, 0.3303



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.



48.2334, 0.3060, 0.3329



85.8577, 0.3046, 0.3338



47.3628, 0.3038, 0.3259



10.8622, 0.3041, 0.3340



25.7213, 0.2498, 0.4191



1.0180, 0.2430, 0.3948

Inverse Universe

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



44.8902, 0.3199, 0.3251



78.6398, 0.3216, 0.3243



45.7085, 0.3221, 0.3321



9.9017, 0.3221, 0.3240



7.4558, 0.5824, 0.2982



0.3035, 0.5119, 0.2594

Previews

White Background



This preview shows how the Yxy color 48.2314, 0.3060, 0.3329 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 48.2314, 0.3060, 0.3329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

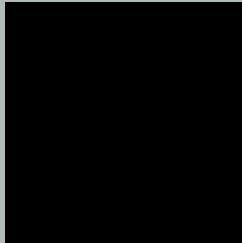
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

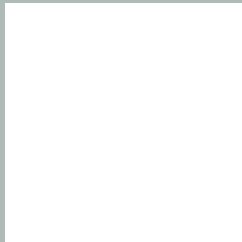
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2314, 0.3060, 0.3329

Background



This preview shows how black text looks on a background with the Yxy color 48.2314, 0.3060, 0.3329.



This preview shows how white text looks on a background with the Yxy color 48.2314, 0.3060, 0.3329.

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

48.2314, 0.3060, 0.3329

Protanopia

47.9357, 0.3178, 0.3303

Deuteranopia

48.2029, 0.3262, 0.3204



Tritanopia

48.4052, 0.2972, 0.3111

Trichromacy



Original Color

48.2314, 0.3060, 0.3329

Protanomaly

47.8902, 0.3135, 0.3303

Deuteranomaly

48.1651, 0.3189, 0.3252

Tritanomaly

48.4778, 0.3001, 0.3187

Monochromacy



Original Color

48.2314, 0.3060, 0.3329

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4032, 0.3101, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2314, 0.3060, 0.3329 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(176, 187, 184)` looks like.

```
.text, #text, p{  
    color:rgb(176, 187, 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(176, 187, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 187, 184) }
```

Border

The CSS property to change the border of an element to Yxy 48.2314, 0.3060, 0.3329 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(176, 187, 184) }
```

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

```
.border{ border-color:rgb(176, 187, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 187, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 187, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 187, 184);  
box-shadow:4px 4px 4px 4px rgb(176, 187,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2314, 0.3060, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 187, 184) }
```

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

```
.background{ background-color: rgb(176,  
187, 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](#).

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