

Converting Colors

$Y_{xy}(45.9975, 0.3058, 0.3354)$

Have a look what the booklet for
Yxy(45.9975, 0.3058, 0.3354)
contains.

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Color

Yxy(46.1936, 0.3057, 0.3357)

Conversions

Conversions Part 1

Format	Color
Hex	ABB8B3
RGB	171, 184, 179
RGB Percent	67%, 72%, 70%
CMY	0.3296, 0.2784, 0.2981
CMYK	0.07, 0.00, 0.03, 0.28
HSL	157°, 8%, 70%
HSV	157°, 7%, 72%
XYZ	42.0655, 46.1936, 49.3447
YIQ	179.5430, -6.1430, -4.3110

Conversions

Conversions Part 2

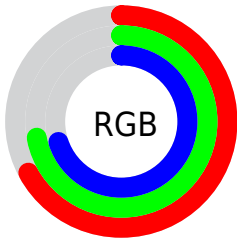
Format	Color
RYB	171, 179, 184
Decimal	11253939
CIELab	73.67, -5.48, 0.98
CIELCh	74, 5.564, 169.836
Yxy	46.1936, 0.3057, 0.3357
Android (android.graphics.Color)	4289444019 (0xFFABB8B3)
YUV	179.5430, -0.2677, -7.4922
Hunter-Lab	67.9659, -8.4629, 4.5303

Details

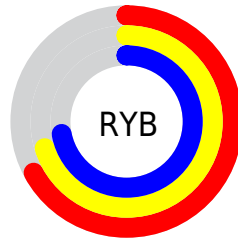
The Yxy color $46.1936, 0.3057, 0.3357$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $42.4385, 0.3203, 0.3224$, and the grayscale version is $45.3862, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.4871, 0.3066, 0.3342$, and $21.6609, 0.3043, 0.3382$ is the 20% darker color. If you saturate the color by 10%, you get $43.9925, 0.2961, 0.3460$, and if you desaturate by 10%, it is $48.7010, 0.3156, 0.3264$.

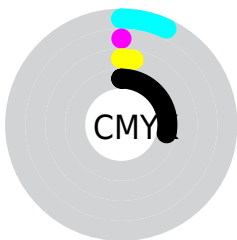
Distribution



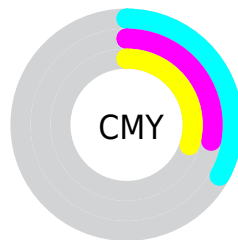
- Red (67%)
- Green (72%)
- Blue (70%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1936, 0.3057, 0.3357 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 46.1936, 0.3057, 0.3357 by changing the saturation by 10% instead.

■ 46.1936, 0.3057,
0.3357

■ 46.1936, 0.3057,
0.3357

371.5864, 0.3092,
0.3323

■ 32.3986, 0.3048,
0.3365

■ 84.5087, 0.3070,
0.3345

■ 21.6662, 0.3037,
0.3376

109.7975, 0.3075,
0.3340

■ 13.6118, 0.3021,
0.3391

139.6865, 0.3079,
0.3336

■ 7.8512, 0.3000,
0.3412

174.5599, 0.3082,
0.3333

■ 3.9999, 0.2968,
0.3443

214.8023, 0.3085,
0.3330

■ 1.6735, 0.2914,
0.3495

260.7979, 0.3088,

■ 0.4064, 0.2445,

0.3328

312.9311, 0.3090,
0.3325

0.3935

0.0000, 0.0000,
0.0000

46.1936, 0.3057,
0.3357

46.1936, 0.3057,
0.3357

43.9925, 0.2961,
0.3460

48.7010, 0.3156,
0.3264

42.0797, 0.2869,
0.3574

51.5201, 0.3256,
0.3181

40.4444, 0.2786,
0.3698

54.6637, 0.3355,
0.3108

39.0727, 0.2714,
0.3831

58.1419, 0.3452,
0.3043

37.9495, 0.2655,
0.3972

60.4212, 0.3480,
0.2979

■ 37.0583, 0.2614,
0.4118

■ 60.7914, 0.3421,
0.2909

■ 36.3801, 0.2592,
0.4266

■ 61.1776, 0.3364,
0.2840

■ 35.8932, 0.2589,
0.4415

■ 61.5798, 0.3308,
0.2772

■ 35.5668, 0.2606,
0.4560

■ 61.9984, 0.3253,
0.2706

Harmonies

Analogous

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



46.1936, 0.3134, 0.3408



46.1936, 0.3057, 0.3357



46.1936, 0.3000, 0.3288

Triad

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



46.1936, 0.3057, 0.3357



46.1936, 0.3045, 0.3157



46.1936, 0.3281, 0.3357

Complementary

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



46.1936, 0.3057, 0.3357



42.4385, 0.3203, 0.3224

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.



46.1936, 0.3256, 0.3291



46.1936, 0.3057, 0.3357



46.1936, 0.3119, 0.3176

Square

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



46.1936, 0.3057, 0.3357



46.1936, 0.2993, 0.3173



46.1936, 0.3197, 0.3225



46.1936, 0.3263, 0.3407

Rectangle

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



46.1936, 0.3057, 0.3357



46.1936, 0.2980, 0.3241



46.1936, 0.3197, 0.3225



46.1936, 0.3277, 0.3336

Sweetspot

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



46.1956, 0.3057, 0.3357



85.9545, 0.3107, 0.3309



46.4776, 0.3163, 0.3464



18.5404, 0.3108, 0.3308



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.



46.1956, 0.3057, 0.3357



82.8612, 0.3037, 0.3377



45.8626, 0.3019, 0.3272



10.1505, 0.3035, 0.3379



24.4660, 0.2607, 0.4584



0.8742, 0.2503, 0.4210

Inverse Universe

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



42.4385, 0.3203, 0.3224



74.1957, 0.3227, 0.3204



42.7389, 0.3244, 0.3308



9.0678, 0.3229, 0.3202



7.3473, 0.5409, 0.2753



0.2712, 0.4712, 0.2370

Previews

White Background



This preview shows how the Yxy color 46.1936, 0.3057, 0.3357 looks on a white background.

Color Contrast Check

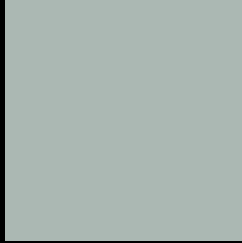
Large Text (above 18pt) WCAG AA × Fail

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 46.1936, 0.3057, 0.3357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

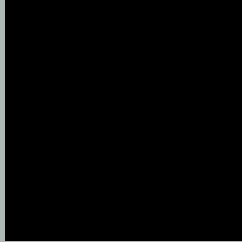
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

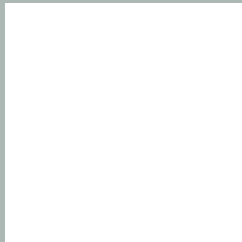
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1936, 0.3057, 0.3357

Background



This preview shows how black text looks on a background with the Yxy color 46.1936, 0.3057, 0.3357.



This preview shows how white text looks on a background with the Yxy color 46.1936, 0.3057, 0.3357.

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

46.1936, 0.3057, 0.3357

Protanopia

46.1311, 0.3195, 0.3329

Deuteranopia

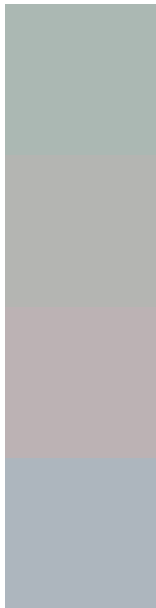
46.0019, 0.3282, 0.3215



Tritanopia

46.0319, 0.2954, 0.3094

Trichromacy



Original Color

46.1936, 0.3057, 0.3357

Protanomaly

45.9654, 0.3142, 0.3330

Deuteranomaly

45.8274, 0.3198, 0.3264

Tritanomaly

46.0578, 0.2991, 0.3184

Monochromacy



Original Color

46.1936, 0.3057, 0.3357

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6901, 0.3101, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1936, 0.3057, 0.3357 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(171, 184, 179)` looks like.

```
.text, #text, p{  
    color:rgb(171, 184, 179)  
}
```

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(171, 184, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 184, 179) }
```

Border

The CSS property to change the border of an element to Yxy 46.1936, 0.3057, 0.3357 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(171, 184, 179) }
```

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

```
.border{ border-color:rgb(171, 184, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 184, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 184, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 184, 179);  
box-shadow:4px 4px 4px 4px rgb(171, 184,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1936, 0.3057, 0.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 184, 179) }
```

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

```
.background{ background-color: rgb(171,  
184, 179) }
```

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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