

Converting Colors

$Y_{xy}(45.9312, 0.2985, 0.3231)$

Have a look what the booklet for
Yxy(45.9312, 0.2985, 0.3231)
contains.

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Color

Yxy(46.0009, 0.2989, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	AAB7BB
RGB	170, 183, 187
RGB Percent	67%, 72%, 73%
CMY	0.3331, 0.2824, 0.2666
CMYK	0.09, 0.02, 0.00, 0.27
HSL	194°, 11%, 70%
HSV	194°, 9%, 73%
XYZ	42.4897, 46.0009, 53.6630
YIQ	179.5690, -9.0320, -1.5120

Conversions

Conversions Part 2

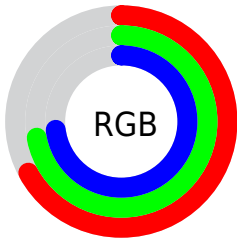
Format	Color
R _Y B	170, 177, 187
Decimal	11188155
CIE Lab	73.55, -3.66, -3.59
CIE LCh	74, 5.128, 224.429
Yxy	46.0009, 0.2989, 0.3236
Android (android.graphics.Color)	4289378235 (0xFFAAB7BB)
YUV	179.5690, 3.6635, -8.3920
Hunter-Lab	67.8240, -6.8670, 0.5660

Details

The Yxy color **46.0009, 0.2989, 0.3236** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.7732, 0.3277, 0.3343**, and the grayscale version is **45.3878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2116, 0.3012, 0.3248**, and **21.5380, 0.2950, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **42.2612, 0.2838, 0.3171**, and if you desaturate by 10%, it is **50.0988, 0.3141, 0.3295**.

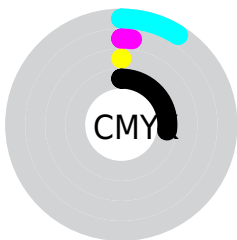
Distribution



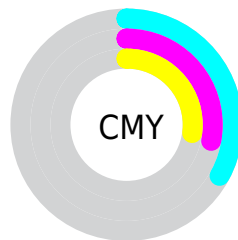
- Red (67%)
- Green (72%)
- Blue (73%)



- Red (67%)
- Yellow (69%)
- Blue (73%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)





- Cyan (33%)
- Magenta (28%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0009, 0.2989, 0.3236 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 46.0009, 0.2989, 0.3236 by changing the saturation by 10% instead.


 46.0009, 0.2989,
0.3236

 46.0009, 0.2989,
0.3236


370.8123, 0.3058,
0.3264

 32.2465, 0.2972,
0.3229


 84.2203, 0.3014,
0.3246

 21.5499, 0.2950,
0.3220


109.4542, 0.3023,
0.3250

 13.5265, 0.2920,
0.3208


139.2834, 0.3031,
0.3253

 7.7921, 0.2879,
0.3190

174.0922, 0.3038,
0.3256

 3.9622, 0.2818,
0.3164

214.2651, 0.3044,
0.3258

 1.6524, 0.2716,
0.3119

260.1865, 0.3049,

 0.3926, 0.2094,

0.3260

0.2898

312.2408, 0.3054,
0.3262

0.0000, 0.0000,
0.0000

46.0009, 0.2989,
0.3236

46.0009, 0.2989,
0.3236

42.2612, 0.2838,
0.3171

50.0988, 0.3141,
0.3295

38.8609, 0.2692,
0.3100

54.5613, 0.3293,
0.3349

35.7881, 0.2553,
0.3024

59.4019, 0.3441,
0.3396

33.0278, 0.2425,
0.2944

64.6317, 0.3586,
0.3438

30.5638, 0.2311,
0.2859

68.6019, 0.3656,
0.3480

■ 28.3780, 0.2214,
0.2773

■ 70.7589, 0.3645,
0.3525

■ 26.4501, 0.2135,
0.2685

■ 72.9767, 0.3633,
0.3569

■ 24.7561, 0.2075,
0.2598

■ 75.2558, 0.3621,
0.3614

■ 23.2540, 0.2033,
0.2511

■ 77.5966, 0.3610,
0.3658

Harmonies

Analogous

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



46.0009, 0.3017, 0.3300



46.0009, 0.2989, 0.3236



46.0009, 0.2998, 0.3188

Triad

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



46.0009, 0.2989, 0.3236



46.0009, 0.3179, 0.3220



46.0009, 0.3214, 0.3415

Complementary

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



46.0009, 0.2989, 0.3236



43.7732, 0.3277, 0.3343

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.



46.0009, 0.3258, 0.3392



46.0009, 0.2989, 0.3236



46.0009, 0.3239, 0.3279

Square

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



46.0009, 0.2989, 0.3236



46.0009, 0.3107, 0.3179



46.0009, 0.3268, 0.3342



46.0009, 0.3146, 0.3404

Rectangle

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



46.0009, 0.2989, 0.3236



46.0009, 0.3023, 0.3171



46.0009, 0.3268, 0.3342



46.0009, 0.3232, 0.3411

Sweetspot

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



46.0028, 0.2989, 0.3236



86.7146, 0.3081, 0.3272



47.1562, 0.3086, 0.3465



18.9646, 0.3068, 0.3268



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.



46.0028, 0.2989, 0.3236



80.9113, 0.2957, 0.3223



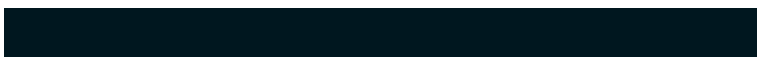
42.6344, 0.2989, 0.3122



10.4152, 0.2985, 0.3234



16.0417, 0.2032, 0.2514



0.7230, 0.2089, 0.2721

Inverse Universe

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



42.7532, 0.3171, 0.3122



73.8815, 0.3183, 0.3082



47.1295, 0.3266, 0.3452



9.6565, 0.3173, 0.3117



8.6491, 0.3909, 0.1927



0.3483, 0.3708, 0.1817

Previews

White Background



This preview shows how the Yxy color 46.0009, 0.2989, 0.3236 looks on a white background.

Color Contrast Check

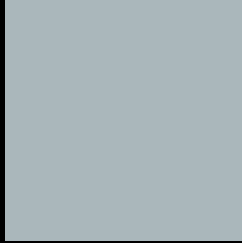
Large Text (above 18pt) WCAG AA × Fail

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 46.0009, 0.2989, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

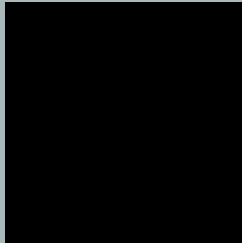
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

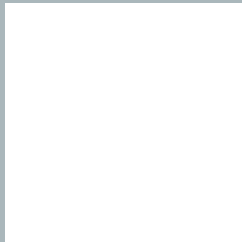
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0009, 0.2989, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 46.0009, 0.2989, 0.3236.



This preview shows how white text looks on a background with the Yxy color 46.0009, 0.2989, 0.3236.

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

46.0009, 0.2989, 0.3236

Protanopia

45.6881, 0.3105, 0.3212

Deuteranopia

45.8034, 0.3179, 0.3114



Tritanopia

46.2121, 0.2938, 0.3107

Trichromacy



Original Color

46.0009, 0.2989, 0.3236

Protanomaly

45.6527, 0.3063, 0.3211

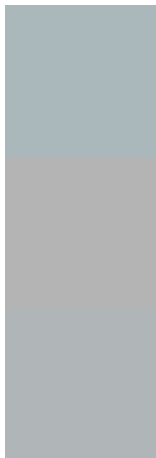
Deuteranomaly

45.7859, 0.3107, 0.3161

Tritanomaly

45.9641, 0.2952, 0.3145

Monochromacy



Original Color

46.0009, 0.2989, 0.3236

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6968, 0.3069, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0009, 0.2989, 0.3236 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, 183, 187)` looks like.

```
.text, #text, p{  
    color:rgb(170, 183, 187)  
}
```

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, 183, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 183, 187) }
```

Border

The CSS property to change the border of an element to Yxy 46.0009, 0.2989, 0.3236 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, 183, 187) }
```

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

```
.border{ border-color:rgb(170, 183, 187) }
```

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

Here you see how a box with a 4 pixel rgb(170, 183, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 183, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 183, 187);  
box-shadow:4px 4px 4px 4px rgb(170, 183,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0009, 0.2989, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 183, 187) }
```

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

```
.background{ background-color: rgb(170,  
183, 187) }
```

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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