

Converting Colors

$Y_{xy}(46.1440, 0.3010, 0.3314)$

Have a look what the booklet for
Yxy(46.1440, 0.3010, 0.3314)
contains.

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Color

Yxy(45.9832, 0.3010, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	A8B8B6
RGB	168, 184, 182
RGB Percent	66%, 72%, 71%
CMY	0.3412, 0.2784, 0.2864
CMYK	0.09, 0.00, 0.01, 0.28
HSL	172°, 10%, 69%
HSV	172°, 9%, 72%
XYZ	41.7273, 45.9832, 50.9184
YIQ	178.9880, -8.8940, -4.0140

Conversions

Conversions Part 2

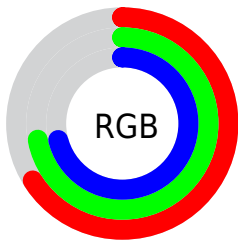
Format	Color
R_{YB}	168, 177, 184
Decimal	11057334
CIE _{Lab}	73.53, -5.91, -0.87
CIE _{LCh}	74, 5.977, 188.362
Yxy	45.9832, 0.3010, 0.3317
Android (android.graphics.Color)	4289247414 (0xFFA8B8B6)
YUV	178.9880, 1.4849, -9.6365
Hunter-Lab	67.8109, -8.8295, 2.9475

Details

The Yxy color **45.9832, 0.3010, 0.3317** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.0936, 0.3258, 0.3263**, and the grayscale version is **45.0668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1812, 0.3029, 0.3311**, and **21.5306, 0.2979, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **44.0108, 0.2881, 0.3351**, and if you desaturate by 10%, it is **48.2469, 0.3145, 0.3286**.

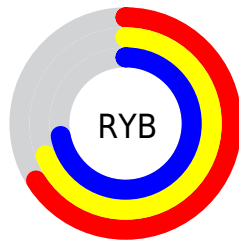
Distribution



Red (66%)

Green (72%)

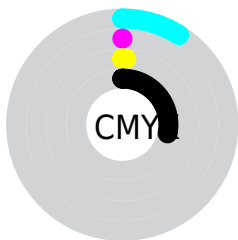
Blue (71%)



Red (66%)

Yellow (69%)

Blue (72%)

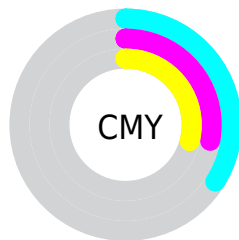


Cyan (9%)

Magenta (0%)

Yellow (1%)

Black (28%)



Cyan (34%)


Magenta (28%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9832, 0.3010, 0.3317 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 45.9832, 0.3010, 0.3317 by changing the saturation by 10% instead.


 45.9832, 0.3010,
0.3317

 45.9832, 0.3010,
0.3317


370.7411, 0.3069,
0.3304

 32.2326, 0.2995,
0.3320


 84.1939, 0.3031,
0.3312

 21.5392, 0.2976,
0.3324


 109.4227, 0.3039,
0.3310

 13.5187, 0.2951,
0.3330


139.2463, 0.3046,
0.3309

 7.7867, 0.2916,
0.3338

174.0492, 0.3052,
0.3308

 3.9588, 0.2863,
0.3349

214.2157, 0.3057,
0.3306

 1.6505, 0.2775,
0.3367

260.1303, 0.3061,

 0.3913, 0.2058,

0.3305

0.3539

312.1773, 0.3065,
0.3305

0.0000, 0.0000,
0.0000

45.9832, 0.3010,
0.3317

45.9832, 0.3010,
0.3317

44.0108, 0.2881,
0.3351

48.2469, 0.3145,
0.3286

42.3119, 0.2762,
0.3387

50.8073, 0.3283,
0.3258

40.8756, 0.2654,
0.3426

53.6770, 0.3423,
0.3234

39.6882, 0.2560,
0.3468

56.8660, 0.3562,
0.3212

38.7346, 0.2484,
0.3510

59.4258, 0.3656,
0.3191

■ 37.9980, 0.2425,
0.3554

■ 59.5314, 0.3636,
0.3167

■ 37.4596, 0.2385,
0.3598

■ 59.6387, 0.3616,
0.3143

■ 37.0971, 0.2365,
0.3642

■ 59.7476, 0.3595,
0.3118

■ 36.8722, 0.2359,
0.3686

■ 59.8583, 0.3575,
0.3094

Harmonies

Analogous

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



45.9832, 0.3082, 0.3387



45.9832, 0.3010, 0.3317



45.9832, 0.2970, 0.3241

Triad

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



45.9832, 0.3010, 0.3317



45.9832, 0.3086, 0.3155



45.9832, 0.3286, 0.3399

Complementary

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



45.9832, 0.3010, 0.3317



41.0936, 0.3258, 0.3263

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.



45.9832, 0.3288, 0.3336



45.9832, 0.3010, 0.3317



45.9832, 0.3171, 0.3197

Square

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



45.9832, 0.3010, 0.3317



45.9832, 0.3013, 0.3149



45.9832, 0.3245, 0.3262



45.9832, 0.3241, 0.3433

Rectangle

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



45.9832, 0.3010, 0.3317



45.9832, 0.2966, 0.3197



45.9832, 0.3245, 0.3262



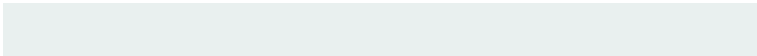
45.9832, 0.3292, 0.3380

Sweetspot

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



45.9851, 0.3010, 0.3317



85.6042, 0.3086, 0.3299



45.6717, 0.3135, 0.3508



18.3832, 0.3075, 0.3302



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.



45.9851, 0.3010, 0.3317



82.7958, 0.2991, 0.3322



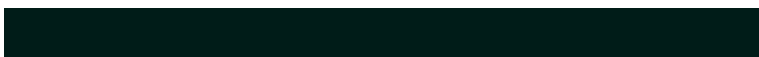
43.6784, 0.2995, 0.3210



10.1905, 0.3002, 0.3319



25.3978, 0.2357, 0.3686



0.9009, 0.2326, 0.3573

Inverse Universe

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



41.0936, 0.3258, 0.3263



72.5489, 0.3282, 0.3259



43.2363, 0.3268, 0.3369



9.0303, 0.3268, 0.3261



7.0728, 0.6217, 0.3199



0.2554, 0.5676, 0.2901

Previews

White Background



This preview shows how the Yxy color 45.9832, 0.3010, 0.3317 looks on a white background.

Color Contrast Check

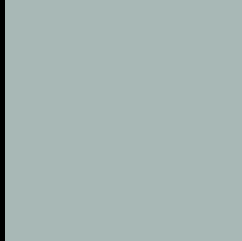
Large Text (above 18pt) WCAG AA × Fail

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 45.9832, 0.3010, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

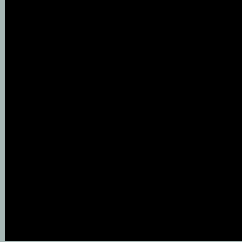
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

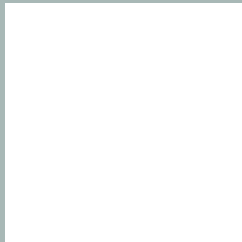
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9832, 0.3010, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 45.9832, 0.3010, 0.3317.



This preview shows how white text looks on a background with the Yxy color 45.9832, 0.3010, 0.3317.

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

45.9832, 0.3010, 0.3317

Protanopia

46.0875, 0.3170, 0.3303

Deuteranopia

45.8564, 0.3239, 0.3177



Tritanopia

45.9875, 0.2922, 0.3106

Trichromacy



Original Color

45.9832, 0.3010, 0.3317

Protanomaly

45.8080, 0.3109, 0.3303

Deuteranomaly

45.6988, 0.3156, 0.3225

Tritanomaly

46.0636, 0.2951, 0.3184

Monochromacy



Original Color

45.9832, 0.3010, 0.3317

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4570, 0.3084, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9832, 0.3010, 0.3317 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(168, 184, 182)` looks like.

```
.text, #text, p{  
    color:rgb(168, 184, 182)  
}
```

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(168, 184, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 184, 182) }
```

Border

The CSS property to change the border of an element to Yxy 45.9832, 0.3010, 0.3317 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(168, 184, 182) }
```

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

```
.border{ border-color:rgb(168, 184, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 184, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 184, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 184, 182);  
box-shadow:4px 4px 4px 4px rgb(168, 184,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9832, 0.3010, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 184, 182) }
```

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

```
.background{ background-color: rgb(168,  
184, 182) }
```

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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