

Converting Colors

$Yxy(45.8987, 0.3109, 0.3379)$

Have a look what the booklet for
Yxy(45.8987, 0.3109, 0.3379)
contains.

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Color

Yxy(46.0002, 0.3106, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	AEB7B0
RGB	174, 183, 176
RGB Percent	68%, 72%, 69%
CMY	0.3177, 0.2823, 0.3099
CMYK	0.05, 0.00, 0.04, 0.28
HSL	133°, 6%, 70%
HSV	133°, 5%, 72%
XYZ	42.2212, 46.0002, 47.7130
YIQ	179.5110, -3.1170, -4.0850

Conversions

Conversions Part 2

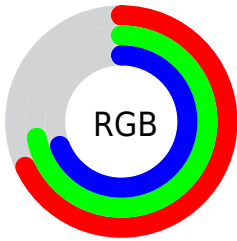
Format	Color
RYB	174, 181, 183
Decimal	11450288
CIELab	73.55, -4.47, 2.48
CIELCh	74, 5.109, 150.980
Yxy	46.0002, 0.3106, 0.3384
Android (android.graphics.Color)	4289640368 (0xFFFAEB7B0)
YUV	179.5110, -1.7309, -4.8331
Hunter-Lab	67.8234, -7.5718, 5.7666

Details

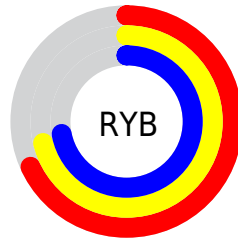
The Yxy color $46.0002, 0.3106, 0.3384$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $43.6738, 0.3149, 0.3198$, and the grayscale version is $45.3761, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.2172, 0.3104, 0.3362$, and $21.5581, 0.3099, 0.3400$ is the 20% darker color. If you saturate the color by 10%, you get $43.5059, 0.3063, 0.3593$, and if you desaturate by 10%, it is $48.8443, 0.3149, 0.3199$.

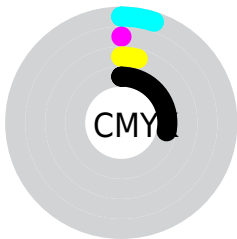
Distribution



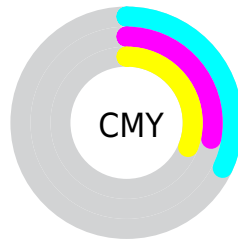
- Red (68%)
- Green (72%)
- Blue (69%)



- Red (68%)
- Yellow (71%)
- Blue (72%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)



- Cyan (32%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0002, 0.3106, 0.3384 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 46.0002, 0.3106, 0.3384 by changing the saturation by 10% instead.

■ 46.0002, 0.3106,
0.3384

■ 46.0002, 0.3106,
0.3384

370.8095, 0.3117,
0.3337

■ 32.2460, 0.3103,
0.3396

■ 84.2193, 0.3110,
0.3367

■ 21.5495, 0.3100,
0.3411

109.4530, 0.3111,
0.3360

■ 13.5262, 0.3095,
0.3432

139.2819, 0.3113,
0.3355

■ 7.7919, 0.3088,
0.3462

174.0905, 0.3114,
0.3350

■ 3.9621, 0.3077,
0.3506

214.2632, 0.3115,
0.3346

■ 1.6524, 0.3059,
0.3582

260.1843, 0.3115,

■ 0.3925, 0.2899,

0.3343

0.4310

312.2382, 0.3116,
0.3339

0.0000, 0.0000,
0.0000

46.0002, 0.3106,
0.3384

46.0002, 0.3106,
0.3384

43.5059, 0.3063,
0.3593

48.8443, 0.3149,
0.3199

41.3421, 0.3020,
0.3828

52.0448, 0.3190,
0.3038

39.4966, 0.2980,
0.4087

55.6157, 0.3229,
0.2898

37.9542, 0.2945,
0.4366

59.5685, 0.3266,
0.2776

36.6983, 0.2917,
0.4657

61.8689, 0.3217,
0.2653

■ 35.7108, 0.2899,
0.4949

■ 62.3512, 0.3160,
0.2585

■ 34.9716, 0.2894,
0.5227

■ 34.4573, 0.2902,
0.5475

■ 34.1402, 0.2923,
0.5679

Harmonies

Analogous

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



46.0002, 0.3178, 0.3413



46.0002, 0.3106, 0.3384



46.0002, 0.3040, 0.3329

Triad

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



46.0002, 0.3106, 0.3384



46.0002, 0.3018, 0.3173



46.0002, 0.3258, 0.3314

Complementary

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



46.0002, 0.3106, 0.3384



43.6738, 0.3149, 0.3198

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.



46.0002, 0.3215, 0.3251



46.0002, 0.3106, 0.3384



46.0002, 0.3075, 0.3170

Square

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



46.0002, 0.3106, 0.3384



46.0002, 0.2990, 0.3207



46.0002, 0.3147, 0.3199



46.0002, 0.3267, 0.3372

Rectangle

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



46.0002, 0.3106, 0.3384



46.0002, 0.3008, 0.3286



46.0002, 0.3147, 0.3199



46.0002, 0.3247, 0.3293

Sweetspot

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



46.0022, 0.3106, 0.3384



84.2953, 0.3123, 0.3309



46.7573, 0.3182, 0.3409



18.6241, 0.3123, 0.3308



93.3107, 0.3127, 0.3290



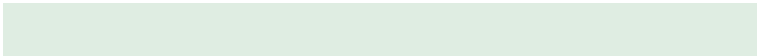
18.7317, 0.3127, 0.3290

Same Dimension

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



46.0022, 0.3106, 0.3384



81.8244, 0.3101, 0.3407



46.1825, 0.3071, 0.3324



10.2532, 0.3099, 0.3416



23.7428, 0.2929, 0.5746



0.8464, 0.2791, 0.5246

Inverse Universe

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



43.6738, 0.3149, 0.3198



76.7053, 0.3154, 0.3176



43.4927, 0.3186, 0.3256



9.5659, 0.3157, 0.3167



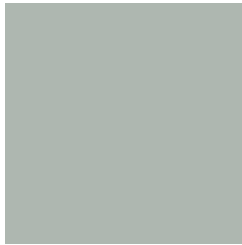
8.4122, 0.3848, 0.1893



0.3051, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 46.0002, 0.3106, 0.3384 looks on a white background.

Color Contrast Check

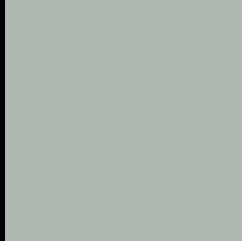
Large Text (above 18pt) WCAG AA × Fail

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 46.0002, 0.3106, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

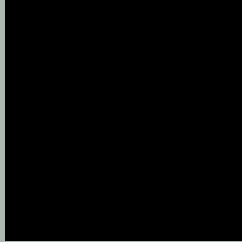
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

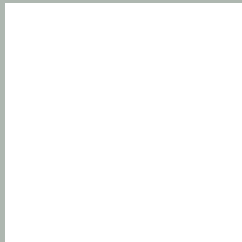
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0002, 0.3106, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 46.0002, 0.3106, 0.3384.



This preview shows how white text looks on a background with the Yxy color 46.0002, 0.3106, 0.3384.

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

46.0002, 0.3106, 0.3384

Protanopia

46.0128, 0.3219, 0.3369

Deuteranopia

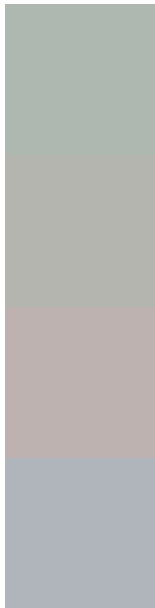
46.0164, 0.3317, 0.3253



Tritanopia

45.8847, 0.2993, 0.3108

Trichromacy



Original Color

46.0002, 0.3106, 0.3384

Protanomaly

45.9666, 0.3175, 0.3369

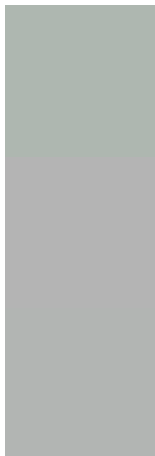
Deuteranomaly

45.9623, 0.3241, 0.3303

Tritanomaly

45.8657, 0.3038, 0.3211

Monochromacy



Original Color

46.0002, 0.3106, 0.3384

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7674, 0.3117, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0002, 0.3106, 0.3384 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(174, 183, 176)` looks like.

```
.text, #text, p{  
    color:rgb(174, 183, 176)  
}
```

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(174, 183, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 183, 176) }
```

Border

The CSS property to change the border of an element to Yxy 46.0002, 0.3106, 0.3384 is called "border". The border property can be set on classes, ids or directly on the HTML element.

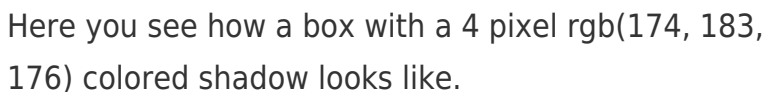
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 183, 176) }
```

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

```
.border{ border-color:rgb(174, 183, 176) }
```

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



Here you see how a box with a 4 pixel `rgb(174, 183, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 183, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 183, 176); box-shadow:4px 4px 4px 4px rgb(174, 183, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0002, 0.3106, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 183, 176) }
```

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

```
.background{ background-color: rgb(174,  
183, 176) }
```

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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