

Converting Colors

$Yxy(46.7505, 0.3068, 0.3343)$

Have a look what the booklet for
Yxy(46.7505, 0.3068, 0.3343)
contains.

Yxy(46.5749, 0.3074, 0.3343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.5749, 0.3074, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	AEB8B4
RGB	174, 184, 180
RGB Percent	68%, 72%, 71%
CMY	0.3178, 0.2784, 0.2941
CMYK	0.05, 0.00, 0.02, 0.28
HSL	156°, 7%, 70%
HSV	156°, 5%, 72%
XYZ	42.8272, 46.5749, 49.9186
YIQ	180.5540, -4.6760, -3.3640

Conversions

Conversions Part 2

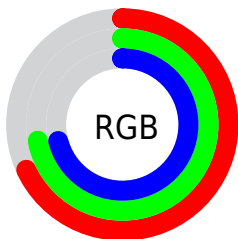
Format	Color
RYB	174, 180, 184
Decimal	11450548
CIELab	73.92, -4.25, 0.81
CIELCh	74, 4.328, 169.176
Yxy	46.5749, 0.3074, 0.3343
Android (android.graphics.Color)	4289640628 (0xFFFAEB8B4)
YUV	180.5540, -0.2731, -5.7479
Hunter-Lab	68.2458, -7.4137, 4.4042

Details

The Yxy color **46.5749, 0.3074, 0.3343** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.6590, 0.3184, 0.3238**, and the grayscale version is **45.9562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0343, 0.3080, 0.3331**, and **21.9025, 0.3067, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **44.3162, 0.2979, 0.3448**, and if you desaturate by 10%, it is **49.1428, 0.3171, 0.3248**.

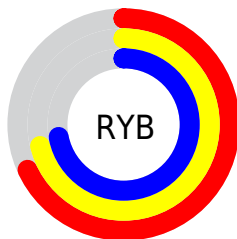
Distribution



Red (68%)

Green (72%)

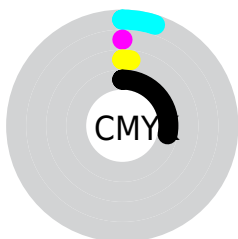
Blue (71%)



Red (68%)

Yellow (71%)

Blue (72%)

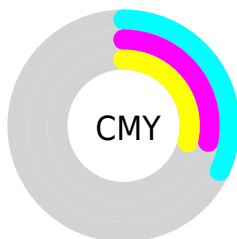


Cyan (5%)

Magenta (0%)

Yellow (2%)

Black (28%)



Cyan (32%)

Magenta (28%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5749, 0.3074, 0.3343 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 46.5749, 0.3074, 0.3343 by changing the saturation by 10% instead.

■ 46.5749, 0.3074,
0.3343

■ 46.5749, 0.3074,
0.3343

373.1151, 0.3101,
0.3317

■ 32.6997, 0.3067,
0.3350

■ 85.0787, 0.3084,
0.3333

■ 21.8965, 0.3059,
0.3358

110.4762, 0.3087,
0.3330

■ 13.7809, 0.3047,
0.3370

140.4832, 0.3090,
0.3327

■ 7.9684, 0.3031,
0.3386

175.4841, 0.3093,
0.3324

■ 4.0747, 0.3007,
0.3410

215.8634, 0.3095,
0.3322

■ 1.7155, 0.2966,
0.3451

262.0054, 0.3097,

■ 0.4336, 0.2665,

0.3320

0.3747

314.2945, 0.3099,
0.3318

0.0000, 0.0000,
0.0000

46.5749, 0.3074,
0.3343

46.5749, 0.3074,
0.3343

44.3162, 0.2979,
0.3448

49.1428, 0.3171,
0.3248

42.3489, 0.2888,
0.3565

52.0253, 0.3269,
0.3164

40.6622, 0.2805,
0.3692

55.2350, 0.3366,
0.3090

39.2424, 0.2732,
0.3828

58.7821, 0.3460,
0.3025

38.0746, 0.2672,
0.3973

60.5378, 0.3461,
0.2957

■ 37.1425, 0.2629,
0.4124

■ 60.9265, 0.3401,
0.2885

■ 36.4276, 0.2605,
0.4278

■ 61.3322, 0.3342,
0.2814

■ 35.9086, 0.2600,
0.4432

■ 61.7553, 0.3284,
0.2744

■ 35.5592, 0.2615,
0.4582

■ 62.1959, 0.3228,
0.2677

Harmonies

Analogous

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



46.5749, 0.3134, 0.3382



46.5749, 0.3074, 0.3343



46.5749, 0.3029, 0.3290

Triad

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



46.5749, 0.3074, 0.3343



46.5749, 0.3062, 0.3187



46.5749, 0.3246, 0.3341

Complementary

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



46.5749, 0.3074, 0.3343



43.6590, 0.3184, 0.3238

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.



46.5749, 0.3227, 0.3289



46.5749, 0.3074, 0.3343



46.5749, 0.3120, 0.3201

Square

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



46.5749, 0.3074, 0.3343



46.5749, 0.3022, 0.3200



46.5749, 0.3180, 0.3238



46.5749, 0.3233, 0.3380

Rectangle

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



46.5749, 0.3074, 0.3343



46.5749, 0.3013, 0.3254



46.5749, 0.3180, 0.3238



46.5749, 0.3243, 0.3325

Sweetspot

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



46.5769, 0.3074, 0.3343



85.9507, 0.3107, 0.3309



46.8044, 0.3155, 0.3423



18.5397, 0.3108, 0.3308



93.3107, 0.3127, 0.3290



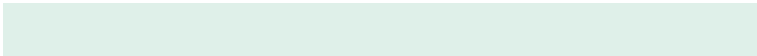
18.7317, 0.3127, 0.3290

Same Dimension

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



46.5769, 0.3074, 0.3343



83.7037, 0.3058, 0.3360



46.3258, 0.3044, 0.3276



10.2448, 0.3055, 0.3363



24.4283, 0.2620, 0.4632



0.8730, 0.2512, 0.4244

Inverse Universe

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



43.6590, 0.3184, 0.3238



76.8965, 0.3202, 0.3221



43.8907, 0.3216, 0.3304



9.3710, 0.3206, 0.3218



7.3697, 0.5355, 0.2723



0.2721, 0.4672, 0.2347

Previews

White Background



This preview shows how the Yxy color 46.5749, 0.3074, 0.3343 looks on a white background.

Color Contrast Check

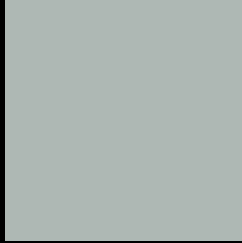
Large Text (above 18pt) WCAG AA × Fail

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 46.5749, 0.3074, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

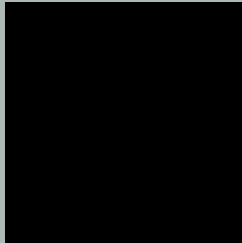
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

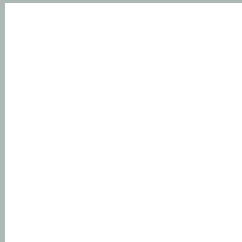
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5749, 0.3074, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 46.5749, 0.3074, 0.3343.



This preview shows how white text looks on a background with the Yxy color 46.5749, 0.3074, 0.3343.

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

46.5749, 0.3074, 0.3343

Protanopia

46.5764, 0.3186, 0.3329

Deuteranopia

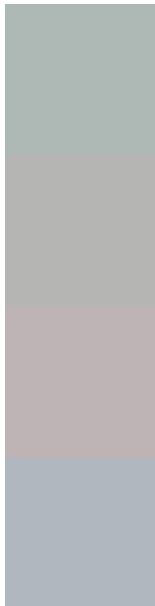
46.5702, 0.3281, 0.3215



Tritanopia

46.7885, 0.2978, 0.3109

Trichromacy



Original Color

46.5749, 0.3074, 0.3343

Protanomaly

46.5343, 0.3142, 0.3329

Deuteranomaly

46.5235, 0.3207, 0.3265

Tritanomaly

46.8148, 0.3015, 0.3198

Monochromacy



Original Color

46.5749, 0.3074, 0.3343

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2571, 0.3101, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5749, 0.3074, 0.3343 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, 184, 180)` looks like.

```
.text, #text, p{  
    color:rgb(174, 184, 180)  
}
```

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, 184, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 184, 180) }
```

Border

The CSS property to change the border of an element to Yxy 46.5749, 0.3074, 0.3343 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, 184, 180) }
```

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

```
.border{ border-color:rgb(174, 184, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 184, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 184, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 184, 180);  
box-shadow:4px 4px 4px 4px rgb(174, 184,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5749, 0.3074, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 184, 180) }
```

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

```
.background{ background-color: rgb(174,  
184, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor