

Converting Colors

$Y_{xy}(47.0170, 0.3111, 0.3510)$

Have a look what the booklet for
Yxy(47.0170, 0.3111, 0.3510)
contains.

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Color

Yxy(47.0270, 0.3109, 0.3506)

Conversions

Conversions Part 1

Format	Color
Hex	AABBAB
RGB	170, 187, 171
RGB Percent	67%, 73%, 67%
CMY	0.3332, 0.2667, 0.3294
CMYK	0.09, 0.00, 0.09, 0.27
HSL	123°, 11%, 70%
HSV	123°, 9%, 73%
XYZ	41.7019, 47.0270, 45.4040
YIQ	180.0930, -4.9960, -8.5800

Conversions

Conversions Part 2

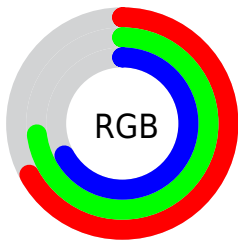
Format	Color
RYB	170, 186, 187
Decimal	11189163
CIELab	74.21, -8.89, 6.11
CIELCh	74, 10.786, 145.497
Yxy	47.0270, 0.3109, 0.3506
Android (android.graphics.Color)	4289379243 (0xFFAABBAB)
YUV	180.0930, -4.4828, -8.8516
Hunter-Lab	68.5762, -11.4607, 8.7477

Details

The Yxy color **47.0270, 0.3109, 0.3506** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.8699, 0.3146, 0.3083**, and the grayscale version is **45.7237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5997, 0.3112, 0.3468**, and **22.2337, 0.3103, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **44.4625, 0.3088, 0.3775**, and if you desaturate by 10%, it is **49.9817, 0.3129, 0.3269**.

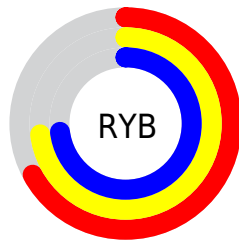
Distribution



Red (67%)

Green (73%)

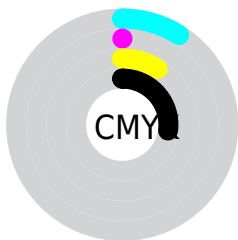
Blue (67%)



Red (67%)

Yellow (73%)

Blue (73%)

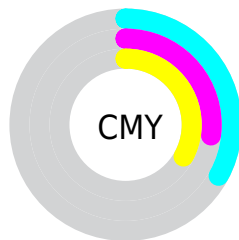


Cyan (9%)

Magenta (0%)

Yellow (9%)

Black (27%)



Cyan (33%)


Magenta (27%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0270, 0.3109, 0.3506 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 47.0270, 0.3109, 0.3506 by changing the saturation by 10% instead.


 47.0270, 0.3109,
0.3506

 47.0270, 0.3109,
0.3506


374.9223, 0.3119,
0.3397

 33.0570, 0.3106,
0.3534


 85.7539, 0.3113,
0.3466

 22.1701, 0.3103,
0.3570


111.2796, 0.3114,
0.3451

 13.9820, 0.3098,
0.3618


141.4260, 0.3115,
0.3438

 8.1081, 0.3090,
0.3687

176.5775, 0.3116,
0.3428

 4.1642, 0.3078,
0.3792

217.1185, 0.3117,
0.3418

 1.7658, 0.3054,
0.3972

263.4334, 0.3118,

 0.4657, 0.2926,

0.3410

0.6038

315.9065, 0.3118,
0.3403

0.0000, 0.0000,
0.0000

47.0270, 0.3109,
0.3506

47.0270, 0.3109,
0.3506

44.4625, 0.3088,
0.3775

49.9817, 0.3129,
0.3269

42.2662, 0.3066,
0.4074

53.3355, 0.3147,
0.3064

40.4229, 0.3044,
0.4399

57.1048, 0.3164,
0.2886

38.9143, 0.3024,
0.4738

61.3031, 0.3179,
0.2733

37.7202, 0.3007,
0.5075

64.0201, 0.3158,
0.2624

■ 36.8185, 0.2994,
0.5387

■ 36.1838, 0.2988,
0.5650

■ 35.7868, 0.2988,
0.5842

■ 35.5785, 0.2990,
0.5957

Harmonies

Analogous

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



47.0270, 0.3258, 0.3554



47.0270, 0.3109, 0.3506



47.0270, 0.2967, 0.3396

Triad

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



47.0270, 0.3109, 0.3506



47.0270, 0.2883, 0.3054



47.0270, 0.3392, 0.3314

Complementary

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



47.0270, 0.3109, 0.3506



42.8699, 0.3146, 0.3083

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.



47.0270, 0.3287, 0.3187



47.0270, 0.3109, 0.3506



47.0270, 0.2993, 0.3038

Square

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



47.0270, 0.3109, 0.3506



47.0270, 0.2839, 0.3132



47.0270, 0.3140, 0.3087



47.0270, 0.3424, 0.3438

Rectangle

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



47.0270, 0.3109, 0.3506



47.0270, 0.2895, 0.3304



47.0270, 0.3140, 0.3087



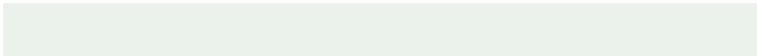
47.0270, 0.3364, 0.3270

Sweetspot

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



47.0290, 0.3109, 0.3506



87.3336, 0.3121, 0.3360



48.9012, 0.3253, 0.3510



19.1373, 0.3120, 0.3379



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.



47.0290, 0.3109, 0.3506



83.2079, 0.3105, 0.3560



47.3582, 0.3046, 0.3392



10.6582, 0.3108, 0.3513



24.5076, 0.2988, 0.5957



0.9630, 0.2942, 0.5793

Inverse Universe

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



42.8699, 0.3146, 0.3083



74.1644, 0.3150, 0.3034



42.5243, 0.3217, 0.3190



9.6866, 0.3146, 0.3077



9.4513, 0.3356, 0.1622



0.3731, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 47.0270, 0.3109, 0.3506 looks on a white background.

Color Contrast Check

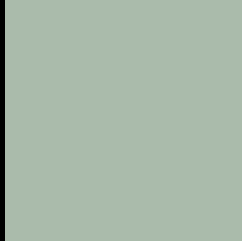
Large Text (above 18pt) WCAG AA × Fail

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 47.0270, 0.3109, 0.3506 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

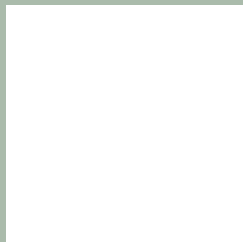
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0270, 0.3109, 0.3506

Background



This preview shows how black text looks on a background with the Yxy color 47.0270, 0.3109, 0.3506.



This preview shows how white text looks on a background with the Yxy color 47.0270, 0.3109, 0.3506.

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

47.0270, 0.3109, 0.3506

Protanopia

47.1019, 0.3301, 0.3472

Deuteranopia

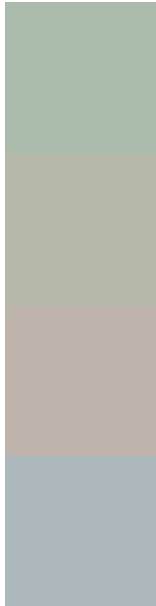
46.7643, 0.3395, 0.3328



Tritanopia

46.9429, 0.2940, 0.3095

Trichromacy



Original Color

47.0270, 0.3109, 0.3506

Protanomaly

47.0906, 0.3229, 0.3488

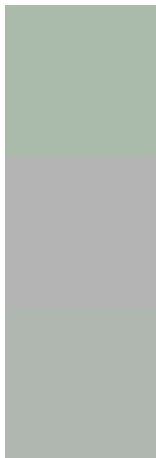
Deuteranomaly

46.6974, 0.3289, 0.3393

Tritanomaly

46.7961, 0.3006, 0.3237

Monochromacy



Original Color

47.0270, 0.3109, 0.3506

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2714, 0.3115, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0270, 0.3109, 0.3506 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, 187, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 187, 171)  
}
```

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, 187, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 187, 171) }
```

Border

The CSS property to change the border of an element to Yxy 47.0270, 0.3109, 0.3506 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, 187, 171) }
```

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

```
.border{ border-color:rgb(170, 187, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 187, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 187, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 187, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 187,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0270, 0.3109, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 187, 171) }
```

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

```
.background{ background-color: rgb(170,  
187, 171) }
```

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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