

Converting Colors

$Yxy(46.8213, 0.3087, 0.3433)$

Have a look what the booklet for
Yxy(46.8213, 0.3087, 0.3433)
contains.

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Color

Yxy(46.8709, 0.3087, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	ABBAAF
RGB	171, 186, 175
RGB Percent	67%, 73%, 69%
CMY	0.3295, 0.2705, 0.3138
CMYK	0.08, 0.00, 0.06, 0.27
HSL	136°, 10%, 70%
HSV	136°, 8%, 73%
XYZ	42.0857, 46.8709, 47.3753
YIQ	180.2610, -5.4090, -6.6010

Conversions

Conversions Part 2

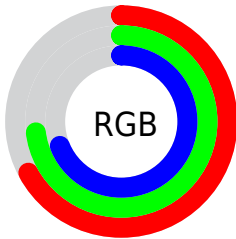
Format	Color
RYB	171, 183, 186
Decimal	11254447
CIELab	74.11, -7.30, 3.81
CIELCh	74, 8.229, 152.455
Yxy	46.8709, 0.3087, 0.3438
Android (android.graphics.Color)	4289444527 (0xFFABBAAF)
YUV	180.2610, -2.5937, -8.1219
Hunter-Lab	68.4623, -10.0803, 6.8955

Details

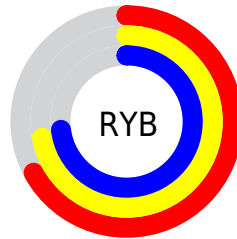
The Yxy color $46.8709, 0.3087, 0.3438$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $42.9353, 0.3170, 0.3146$, and the grayscale version is $45.8041, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3862, 0.3095, 0.3415$, and $22.1271, 0.3073, 0.3475$ is the 20% darker color. If you saturate the color by 10%, you get $44.4198, 0.3037, 0.3642$, and if you desaturate by 10%, it is $49.6741, 0.3137, 0.3257$.

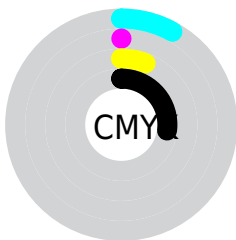
Distribution



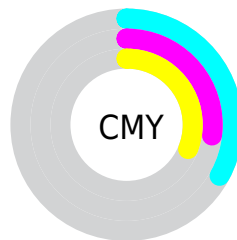
- Red (67%)
- Green (73%)
- Blue (69%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)




- Cyan (33%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8709, 0.3087, 0.3438 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 46.8709, 0.3087, 0.3438 by changing the saturation by 10% instead.


 46.8709, 0.3087,
0.3438

 46.8709, 0.3087,
0.3438


374.2990, 0.3107,
0.3363

 32.9336, 0.3082,
0.3457


 85.5209, 0.3095,
0.3411

 22.0756, 0.3075,
0.3481


111.0024, 0.3097,
0.3400

 13.9125, 0.3066,
0.3514


141.1007, 0.3100,
0.3392

 8.0598, 0.3053,
0.3561

176.2003, 0.3102,
0.3385

 4.1332, 0.3033,
0.3631

216.6855, 0.3103,
0.3378

 1.7484, 0.2998,
0.3752

262.9408, 0.3105,

 0.4547, 0.2709,

0.3373

0.4849

315.3505, 0.3106,
0.3368

0.0000, 0.0000,
0.0000

46.8709, 0.3087,
0.3438

46.8709, 0.3087,
0.3438

44.4198, 0.3037,
0.3642

49.6741, 0.3137,
0.3257

42.3011, 0.2990,
0.3870

52.8365, 0.3185,
0.3098

40.5020, 0.2945,
0.4119

56.3724, 0.3232,
0.2959

39.0066, 0.2908,
0.4386

60.2936, 0.3276,
0.2839

37.7977, 0.2880,
0.4664

62.8677, 0.3247,
0.2721

■ 36.8563, 0.2865,
0.4941

■ 63.6033, 0.3159,
0.2614

■ 36.1609, 0.2864,
0.5205

■ 35.6867, 0.2878,
0.5442

■ 35.3955, 0.2905,
0.5640

Harmonies

Analogous

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



46.8709, 0.3203, 0.3487



46.8709, 0.3087, 0.3438



46.8709, 0.2984, 0.3347

Triad

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



46.8709, 0.3087, 0.3438



46.8709, 0.2956, 0.3102



46.8709, 0.3340, 0.3332

Complementary

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



46.8709, 0.3087, 0.3438



42.9353, 0.3170, 0.3146

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.



46.8709, 0.3272, 0.3233



46.8709, 0.3087, 0.3438



46.8709, 0.3049, 0.3101

Square

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



46.8709, 0.3087, 0.3438



46.8709, 0.2909, 0.3152



46.8709, 0.3165, 0.3149



46.8709, 0.3350, 0.3423

Rectangle

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



46.8709, 0.3087, 0.3438



46.8709, 0.2935, 0.3277



46.8709, 0.3165, 0.3149



46.8709, 0.3323, 0.3299

Sweetspot

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



46.8729, 0.3087, 0.3438



87.9415, 0.3117, 0.3326



48.0387, 0.3213, 0.3487



19.3779, 0.3118, 0.3324



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.



46.8729, 0.3087, 0.3438



83.9701, 0.3077, 0.3479



47.1664, 0.3032, 0.3340



10.0983, 0.3081, 0.3462



23.7892, 0.2903, 0.5651



0.8492, 0.2754, 0.5113

Inverse Universe

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



42.9353, 0.3170, 0.3146



75.1218, 0.3182, 0.3108



42.6423, 0.3232, 0.3241



9.1208, 0.3177, 0.3124



8.2410, 0.4009, 0.1982



0.3002, 0.3760, 0.1845

Previews

White Background



This preview shows how the Yxy color 46.8709, 0.3087, 0.3438 looks on a white background.

Color Contrast Check

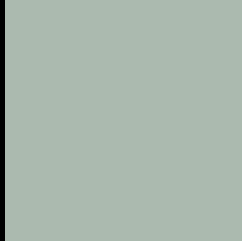
Large Text (above 18pt) WCAG AA × Fail

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 46.8709, 0.3087, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

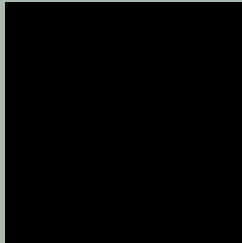
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

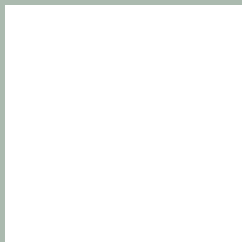
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8709, 0.3087, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 46.8709, 0.3087, 0.3438.



This preview shows how white text looks on a background with the Yxy color 46.8709, 0.3087, 0.3438.

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

46.8709, 0.3087, 0.3438

Protanopia

46.5911, 0.3252, 0.3407

Deuteranopia

46.6425, 0.3342, 0.3278



Tritanopia

47.0122, 0.2955, 0.3108

Trichromacy



Original Color

46.8709, 0.3087, 0.3438

Protanomaly

46.7079, 0.3189, 0.3422

Deuteranomaly

46.7243, 0.3247, 0.3342

Tritanomaly

46.9538, 0.3006, 0.3224

Monochromacy



Original Color

46.8709, 0.3087, 0.3438

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.0174, 0.3116, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8709, 0.3087, 0.3438 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(171, 186, 175)` looks like.

```
.text, #text, p{  
    color:rgb(171, 186, 175)  
}
```

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(171, 186, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 186, 175) }
```

Border

The CSS property to change the border of an element to Yxy 46.8709, 0.3087, 0.3438 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(171, 186, 175) }
```

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

```
.border{ border-color:rgb(171, 186, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 186, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 186, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 186, 175);  
box-shadow:4px 4px 4px 4px rgb(171, 186,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8709, 0.3087, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 186, 175) }
```

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

```
.background{ background-color: rgb(171,  
186, 175) }
```

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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