

Converting Colors

$Yxy(46.8700, 0.3073, 0.4127)$

Have a look what the booklet for
Yxy(46.8700, 0.3073, 0.4127)
contains.

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Color

Yxy(46.6623, 0.3073, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	89C48B
RGB	137, 196, 139
RGB Percent	54%, 77%, 55%
CMY	0.4626, 0.2314, 0.4549
CMYK	0.30, 0.00, 0.29, 0.23
HSL	122°, 33%, 65%
HSV	122°, 30%, 77%
XYZ	34.7199, 46.6623, 31.6016
YIQ	171.8610, -16.8670, -30.2350

Conversions

Conversions Part 2

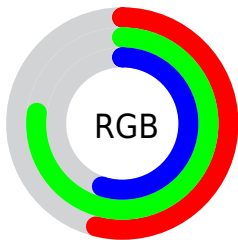
Format	Color
RYB	137, 194, 196
Decimal	9028747
CIELab	73.97, -30.39, 22.71
CIElCh	74, 37.939, 143.233
Yxy	46.6623, 0.3073, 0.4130
Android (android.graphics.Color)	4287218827 (0xFF89C48B)
YUV	171.8610, -16.2005, -30.5731
Hunter-Lab	68.3098, -28.8157, 20.3881

Details

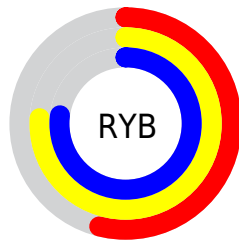
The Yxy color **46.6623, 0.3073, 0.4130** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.5317, 0.3181, 0.2573**, and the grayscale version is **41.2745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3073, 0.3089, 0.3964**, and **21.9986, 0.3037, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **44.6485, 0.3054, 0.4466**, and if you desaturate by 10%, it is **49.0769, 0.3092, 0.3819**.

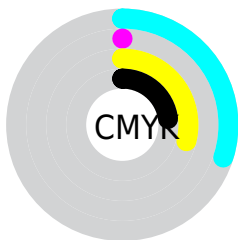
Distribution



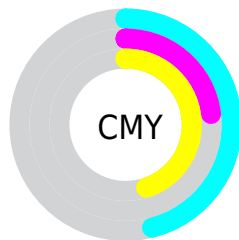
- Red (54%)
- Green (77%)
- Blue (55%)



- Red (54%)
- Yellow (76%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)




- Cyan (46%)
- Magenta (23%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6623, 0.3073, 0.4130 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 46.6623, 0.3073, 0.4130 by changing the saturation by 10% instead.


 46.6623, 0.3073,
0.4130


 46.6623, 0.3073,
0.4130


373.4650, 0.3111,
0.3690

 32.7688, 0.3060,
0.4246


 85.2093, 0.3090,
0.3966

 21.9494, 0.3040,
0.4398


 110.6316, 0.3095,
0.3905

 13.8197, 0.3009,
0.4607


 140.6656, 0.3099,
0.3855

 7.9954, 0.2956,
0.4909

175.6957, 0.3103,
0.3812

 4.0920, 0.2856,
0.5379

216.1063, 0.3105,
0.3775

 1.7252, 0.2856,
0.6765

262.2817, 0.3108,

 0.4399, 0.0000,

0.3743


1.0000

314.6065, 0.3109,
0.3715

 0.0000, 0.0000,
0.0000


 46.6623, 0.3073,
0.4130

 46.6623, 0.3073,
0.4130


 44.6485, 0.3054,
0.4466


 49.0769, 0.3092,
0.3819


 43.0083, 0.3035,
0.4814


 51.9061, 0.3110,
0.3539


 41.7205, 0.3019,
0.5155


 55.1702, 0.3127,
0.3292

 40.7592, 0.3006,
0.5463

 58.8865, 0.3142,
0.3077

 40.0952, 0.2998,
0.5714

 63.0712, 0.3156,
0.2892

 39.6938, 0.2995,
0.5887

 67.7400, 0.3168,
0.2733

 39.4937, 0.2995,
0.5980

 67.9594, 0.3154,
0.2712

Harmonies

Analogous

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



46.6623, 0.3591, 0.4252



46.6623, 0.3073, 0.4130



46.6623, 0.2594, 0.3708

Triad

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



46.6623, 0.3073, 0.4130



46.6623, 0.2290, 0.2495



46.6623, 0.4056, 0.3296

Complementary

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



46.6623, 0.3073, 0.4130



33.5317, 0.3181, 0.2573

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.



46.6623, 0.3648, 0.2906



46.6623, 0.3073, 0.4130



46.6623, 0.2619, 0.2460

Square

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



46.6623, 0.3073, 0.4130



46.6623, 0.2170, 0.2736



46.6623, 0.3110, 0.2609



46.6623, 0.4186, 0.3713

Rectangle

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



46.6623, 0.3073, 0.4130



46.6623, 0.2357, 0.3349



46.6623, 0.3110, 0.2609



46.6623, 0.3946, 0.3160

Sweetspot

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



46.6643, 0.3073, 0.4130



94.5569, 0.3112, 0.3514



52.7601, 0.3559, 0.4037



20.0641, 0.3109, 0.3553



0.0000, 0.0000, 0.0000



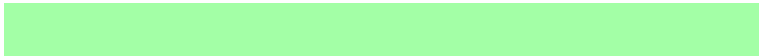
21.4041, 0.3127, 0.3290

Same Dimension

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



46.6643, 0.3073, 0.4130



82.0906, 0.3060, 0.4346



47.6453, 0.2874, 0.3684



11.2642, 0.3112, 0.3520



25.3793, 0.2993, 0.5975



1.0985, 0.2968, 0.5883

Inverse Universe

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



33.5317, 0.3181, 0.2573



54.5496, 0.3193, 0.2422



32.3355, 0.3484, 0.2929



10.2415, 0.3143, 0.3071



9.9169, 0.3293, 0.1588



0.4303, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 46.6623, 0.3073, 0.4130 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 46.6623, 0.3073, 0.4130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

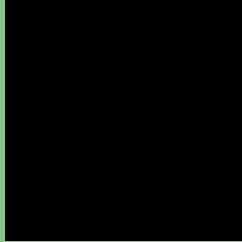
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6623, 0.3073, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 46.6623, 0.3073, 0.4130.



This preview shows how white text looks on a background with the Yxy color 46.6623, 0.3073, 0.4130.

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

46.6623, 0.3073, 0.4130

Protanopia

46.3158, 0.3660, 0.3925

Deuteranopia

46.1346, 0.3733, 0.3662



Tritanopia

46.6678, 0.2723, 0.3087

Trichromacy



Original Color

46.6623, 0.3073, 0.4130

Protanomaly

45.8658, 0.3426, 0.3990

Deuteranomaly

45.5992, 0.3472, 0.3826

Tritanomaly

46.5766, 0.2850, 0.3443

Monochromacy



Original Color

46.6623, 0.3073, 0.4130

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.9567, 0.3105, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6623, 0.3073, 0.4130 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(137, 196, 139)` looks like.

```
.text, #text, p{  
    color:rgb(137, 196, 139)  
}
```

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(137, 196, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 196, 139) }
```

Border

The CSS property to change the border of an element to Yxy 46.6623, 0.3073, 0.4130 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(137, 196, 139) }
```

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

```
.border{ border-color:rgb(137, 196, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 196, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 196, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 196, 139);  
box-shadow:4px 4px 4px 4px rgb(137, 196,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6623, 0.3073, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 196, 139) }
```

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

```
.background{ background-color: rgb(137,  
196, 139) }
```

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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