

Converting Colors

Yxy(46.9411, 0.3006, 0.4012)

Have a look what the booklet for
Yxy(46.9411, 0.3006, 0.4012)
contains.

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Color

Yxy(46.7373, 0.3004, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	87C493
RGB	135, 196, 147
RGB Percent	53%, 77%, 58%
CMY	0.4704, 0.2314, 0.4235
CMYK	0.31, 0.00, 0.25, 0.23
HSL	132°, 34%, 65%
HSV	132°, 31%, 77%
XYZ	35.0035, 46.7373, 34.7821
YIQ	172.1750, -20.6270, -28.1710

Conversions

Conversions Part 2

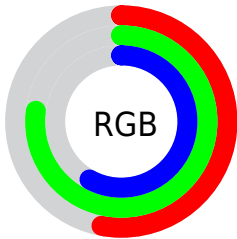
Format	Color
RYB	135, 186, 196
Decimal	8897683
CIELab	74.02, -29.63, 18.49
CIElCh	74, 34.926, 148.033
Yxy	46.7373, 0.3004, 0.4011
Android (android.graphics.Color)	4287087763 (0xFF87C493)
YUV	172.1750, -12.4113, -32.6025
Hunter-Lab	68.3647, -28.2443, 17.6902

Details

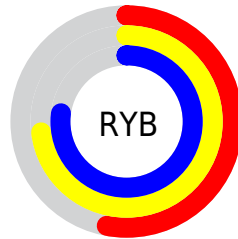
The Yxy color **46.7373, 0.3004, 0.4011** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5375, 0.3282, 0.2664**, and the grayscale version is **41.4255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4148, 0.3034, 0.3873**, and **22.0295, 0.2958, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **44.7985, 0.2969, 0.4293**, and if you desaturate by 10%, it is **49.0470, 0.3043, 0.3752**.

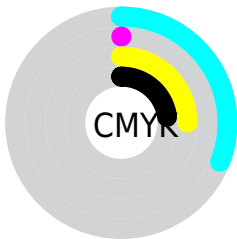
Distribution



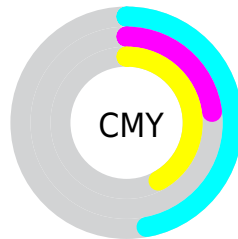
- Red (53%)
- Green (77%)
- Blue (58%)



- Red (53%)
- Yellow (73%)
- Blue (77%)



- Cyan (31%)
- Magenta (0%)
- Yellow (25%)
- Black (23%)




- Cyan (47%)
- Magenta (23%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7373, 0.3004, 0.4011 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 46.7373, 0.3004, 0.4011 by changing the saturation by 10% instead.


 46.7373, 0.3004,
0.4011

 46.7373, 0.3004,
0.4011


373.7650, 0.3074,
0.3635


 32.8280, 0.2984,
0.4110


 85.3214, 0.3031,
0.3870

 21.9947, 0.2956,
0.4240


 110.7649, 0.3041,
0.3819

 13.8530, 0.2916,
0.4419


 140.8221, 0.3049,
0.3776

 8.0185, 0.2853,
0.4677

175.8772, 0.3056,
0.3739

 4.1068, 0.2745,
0.5084

216.3146, 0.3061,
0.3707

 1.7335, 0.2609,
0.6013

262.5188, 0.3066,

 0.4452, 0.0000,

0.3680

1.0000

314.8741, 0.3070,
0.3656

0.0000, 0.0000,
0.0000

46.7373, 0.3004,
0.4011

46.7373, 0.3004,
0.4011

44.7985, 0.2969,
0.4293

49.0470, 0.3043,
0.3752

43.2057, 0.2940,
0.4590

51.7395, 0.3083,
0.3518

41.9397, 0.2919,
0.4892

54.8334, 0.3123,
0.3311

40.9774, 0.2910,
0.5183

58.3443, 0.3162,
0.3130


40.2924, 0.2913,
0.5445

62.2870, 0.3199,
0.2971

 39.8536, 0.2928,
0.5663

 66.6756, 0.3234,
0.2834

 39.6209, 0.2948,
0.5811

 67.9579, 0.3154,
0.2712

Harmonies

Analogous

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



46.7373, 0.3486, 0.4175



46.7373, 0.3004, 0.4011



46.7373, 0.2577, 0.3597

Triad

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



46.7373, 0.3004, 0.4011



46.7373, 0.2388, 0.2536



46.7373, 0.4020, 0.3362

Complementary

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



46.7373, 0.3004, 0.4011



32.5375, 0.3282, 0.2664

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.



46.7373, 0.3679, 0.2990



46.7373, 0.3004, 0.4011



46.7373, 0.2724, 0.2531

Square

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



46.7373, 0.3004, 0.4011



46.7373, 0.2243, 0.2732



46.7373, 0.3194, 0.2694



46.7373, 0.4094, 0.3746

Rectangle

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



46.7373, 0.3004, 0.4011



46.7373, 0.2375, 0.3269



46.7373, 0.3194, 0.2694



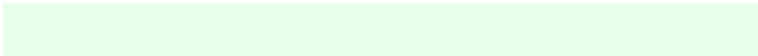
46.7373, 0.3932, 0.3233

Sweetspot

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



46.7393, 0.3004, 0.4011



94.7726, 0.3091, 0.3476



51.5205, 0.3494, 0.4084



20.1168, 0.3085, 0.3508



0.0000, 0.0000, 0.0000



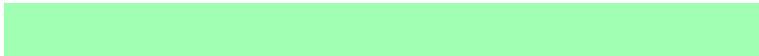
21.4041, 0.3127, 0.3290

Same Dimension

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



46.7393, 0.3004, 0.4011



82.3222, 0.2981, 0.4191



47.7946, 0.2807, 0.3564



11.2904, 0.3090, 0.3480



25.4693, 0.2942, 0.5792



1.1103, 0.2827, 0.5378

Inverse Universe

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



32.5375, 0.3282, 0.2664



52.7118, 0.3322, 0.2533



31.4200, 0.3602, 0.3035



10.2125, 0.3167, 0.3107



9.1289, 0.3771, 0.1851



0.4033, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 46.7373, 0.3004, 0.4011 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 46.7373, 0.3004, 0.4011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

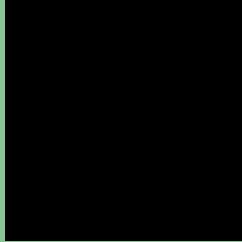
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7373, 0.3004, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 46.7373, 0.3004, 0.4011.



This preview shows how white text looks on a background with the Yxy color 46.7373, 0.3004, 0.4011.

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

46.7373, 0.3004, 0.4011

Protanopia

46.2787, 0.3575, 0.3825

Deuteranopia

46.0944, 0.3642, 0.3565



Tritanopia

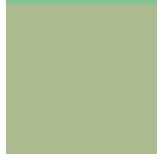
46.8658, 0.2697, 0.3087

Trichromacy



Original Color

46.7373, 0.3004, 0.4011



Protanomaly

45.8716, 0.3346, 0.3882



Deuteranomaly

45.6030, 0.3387, 0.3720



Tritanomaly

46.8690, 0.2809, 0.3415

Monochromacy



Original Color

46.7373, 0.3004, 0.4011



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.0630, 0.3081, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7373, 0.3004, 0.4011 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(135, 196, 147)` looks like.

```
.text, #text, p{  
    color:rgb(135, 196, 147)  
}
```

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(135, 196, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 196, 147) }
```

Border

The CSS property to change the border of an element to Yxy 46.7373, 0.3004, 0.4011 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(135, 196, 147) }
```

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

```
.border{ border-color:rgb(135, 196, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 196, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 196, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 196, 147);  
box-shadow:4px 4px 4px 4px rgb(135, 196,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7373, 0.3004, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 196, 147) }
```

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

```
.background{ background-color: rgb(135,  
196, 147) }
```

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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