

Converting Colors

$Yxy(46.8192, 0.3085, 0.4312)$

Have a look what the booklet for
Yxy(46.8192, 0.3085, 0.4312)
contains.

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Color

Yxy(46.7457, 0.3079, 0.4306)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 82C682 |
| RGB | 130, 198, 130 |
| RGB Percent | 51%, 78%, 51% |
| CMY | 0.4904, 0.2235, 0.4901 |
| CMYK | 0.34, 0.00, 0.34, 0.22 |
| HSL | 120°, 37%, 64% |
| HSV | 120°, 34%, 78% |
| XYZ | 33.4255, 46.7457, 28.3883 |
| YIQ | 169.9160, -18.7000, -35.5640 |

Conversions

Conversions Part 2

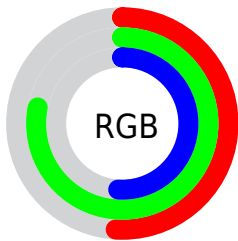
| Format | Color |
|-------------------------------------|--|
| RYB | 130, 198, 198 |
| Decimal | 8570498 |
| CIELab | 74.03, -35.12, 27.45 |
| CIELCh | 74, 44.576, 141.989 |
| Yxy | 46.7457, 0.3079, 0.4306 |
| Android (android.graphics.Color) | 4286760578 (0xFF82C682) |
| YUV | 169.9160, -19.6786, -35.0063 |
| Hunter-Lab | 68.3708, -32.3830, 23.2417 |

Details

The Yxy color **46.7457, 0.3079, 0.4306** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.0354, 0.3167, 0.2448**, and the grayscale version is **40.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2532, 0.3101, 0.4110**, and **22.1035, 0.3037, 0.4636** is the 20% darker color. If you saturate the color by 10%, you get **44.8490, 0.3062, 0.4660**, and if you desaturate by 10%, it is **49.0497, 0.3095, 0.3972**.

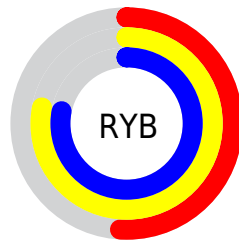
Distribution



Red (51%)

Green (78%)

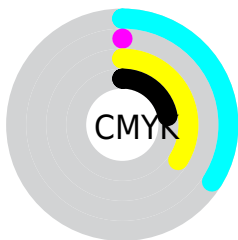
Blue (51%)



Red (51%)

Yellow (78%)

Blue (78%)

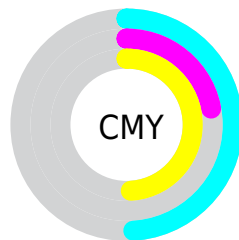


Cyan (34%)

Magenta (0%)

Yellow (34%)

Black (22%)



Cyan (49%)

Magenta (22%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7457, 0.3079, 0.4306 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 46.7457, 0.3079, 0.4306 by changing the saturation by 10% instead.


 46.7457, 0.3079,
0.4306

 46.7457, 0.3079,
0.4306

373.7986, 0.3119,
0.3771


 32.8347, 0.3063,
0.4448


 85.3339, 0.3098,
0.4105

 21.9998, 0.3039,
0.4634


 110.7799, 0.3104,
0.4032

 13.8568, 0.3000,
0.4889


 140.8396, 0.3108,
0.3970

 8.0211, 0.2931,
0.5256

175.8975, 0.3111,
0.3918

 4.1085, 0.2795,
0.5821

216.3379, 0.3114,
0.3874

 1.7344, 0.2629,
0.7371

262.5453, 0.3116,

 0.4458, 0.0000,

0.3835

1.0000

314.9041, 0.3118,
0.3801

0.0000, 0.0000,
0.0000

46.7457, 0.3079,
0.4306

46.7457, 0.3079,
0.4306

44.8490, 0.3062,
0.4660

49.0497, 0.3095,
0.3972

43.3305, 0.3046,
0.5015

51.7765, 0.3109,
0.3667

42.1665, 0.3030,
0.5348


54.9479, 0.3122,
0.3397


41.3284, 0.3017,
0.5630


58.5825, 0.3133,
0.3161


40.7830, 0.3007,
0.5838

62.6979, 0.3143,
0.2957

 40.4900, 0.3002,
0.5958

 67.3106, 0.3151,
0.2783

 40.3933, 0.3000,
0.5999

 68.8729, 0.3153,
0.2732

Harmonies

Analogous

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



46.7457, 0.3681, 0.4419



46.7457, 0.3079, 0.4306



46.7457, 0.2521, 0.3810

Triad

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



46.7457, 0.3079, 0.4306



46.7457, 0.2150, 0.2374



46.7457, 0.4206, 0.3266

Complementary

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



46.7457, 0.3079, 0.4306



32.0354, 0.3167, 0.2448

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.



46.7457, 0.3711, 0.2826



46.7457, 0.3079, 0.4306



46.7457, 0.2514, 0.2331

Square

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



46.7457, 0.3079, 0.4306



46.7457, 0.2023, 0.2652



46.7457, 0.3076, 0.2495



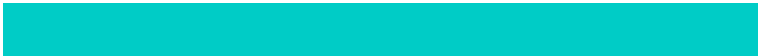
46.7457, 0.4368, 0.3744

Rectangle

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



46.7457, 0.3079, 0.4306



46.7457, 0.2245, 0.3378



46.7457, 0.3076, 0.2495



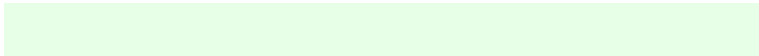
46.7457, 0.4071, 0.3112

Sweetspot

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



46.7477, 0.3079, 0.4306



93.9469, 0.3115, 0.3549



54.0106, 0.3640, 0.4137



19.9408, 0.3113, 0.3589



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.



46.7477, 0.3079, 0.4306



80.2667, 0.3067, 0.4561



47.8150, 0.2857, 0.3784



11.8881, 0.3116, 0.3528



26.2658, 0.3000, 0.5999



1.2437, 0.2999, 0.5997

Inverse Universe

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



32.0354, 0.3167, 0.2448



50.4298, 0.3175, 0.2280



30.6406, 0.3527, 0.2847



10.8165, 0.3138, 0.3063



10.4533, 0.3212, 0.1543



0.4950, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 46.7457, 0.3079, 0.4306 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 46.7457, 0.3079, 0.4306 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 46.7457, 0.3079, 0.4306

Background



This preview shows how black text looks on a background with the Yxy color 46.7457, 0.3079, 0.4306.



This preview shows how white text looks on a background with the Yxy color 46.7457, 0.3079, 0.4306.

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

46.7457, 0.3079, 0.4306

Protanopia

46.2136, 0.3744, 0.4037

Deuteranopia

46.3175, 0.3843, 0.3768



Tritanopia

46.6841, 0.2684, 0.3086

Trichromacy



Original Color

46.7457, 0.3079, 0.4306



Protanomaly

45.8177, 0.3476, 0.4131



Deuteranomaly

45.6277, 0.3533, 0.3962



Tritanomaly

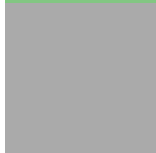
46.3626, 0.2828, 0.3503

Monochromacy



Original Color

46.7457, 0.3079, 0.4306



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

41.9776, 0.3110, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7457, 0.3079, 0.4306 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(130, 198, 130)` looks like.

```
.text, #text, p{  
    color:rgb(130, 198, 130)  
}
```

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(130, 198, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 198, 130) }
```

Border

The CSS property to change the border of an element to Yxy 46.7457, 0.3079, 0.4306 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(130, 198, 130) }
```

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

```
.border{ border-color:rgb(130, 198, 130) }
```

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

Here you see how a box with a 4 pixel rgb(130, 198, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 198, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 198, 130);  
box-shadow:4px 4px 4px 4px rgb(130, 198,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7457, 0.3079, 0.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 198, 130) }
```

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

```
.background{ background-color: rgb(130,  
198, 130) }
```

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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