

Converting Colors

$Yxy(47.0400, 0.2939, 0.3966)$

Have a look what the booklet for
Yxy(47.0400, 0.2939, 0.3966)
contains.

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Color

Yxy(46.9127, 0.2941, 0.3970)

Conversions

Conversions Part 1

Format	Color
Hex	82C597
RGB	130, 197, 151
RGB Percent	51%, 77%, 59%
CMY	0.4904, 0.2274, 0.4078
CMYK	0.34, 0.00, 0.23, 0.23
HSL	139°, 37%, 64%
HSV	139°, 34%, 77%
XYZ	34.7532, 46.9127, 36.5021
YIQ	171.7230, -25.1660, -28.5100

Conversions

Conversions Part 2

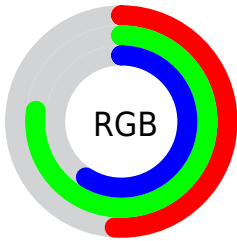
Format	Color
RYB	130, 181, 197
Decimal	8570263
CIELab	74.13, -30.97, 16.47
CIELCh	74, 35.076, 152.000
Yxy	46.9127, 0.2941, 0.3970
Android (android.graphics.Color)	4286760343 (0xFF82C597)
YUV	171.7230, -10.2164, -36.5911
Hunter-Lab	68.4928, -29.2917, 16.3474

Details

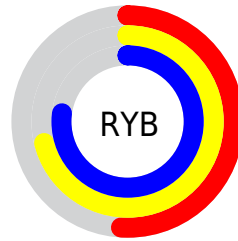
The Yxy color **46.9127, 0.2941, 0.3970** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.9592, 0.3384, 0.2697**, and the grayscale version is **41.1662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6057, 0.2983, 0.3841**, and **22.1847, 0.2881, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **45.0893, 0.2896, 0.4214**, and if you desaturate by 10%, it is **49.0886, 0.2993, 0.3744**.

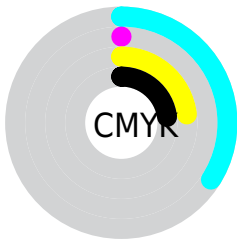
Distribution



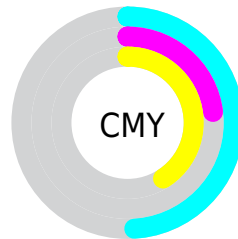
- Red (51%)
- Green (77%)
- Blue (59%)



- Red (51%)
- Yellow (71%)
- Blue (77%)



- Cyan (34%)
- Magenta (0%)
- Yellow (23%)
- Black (23%)





- Cyan (49%)
- Magenta (23%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9127, 0.2941, 0.3970 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 46.9127, 0.2941, 0.3970 by changing the saturation by 10% instead.


 46.9127, 0.2941,
0.3970


 46.9127, 0.2941,
0.3970


374.4660, 0.3041,
0.3615


 32.9666, 0.2913,
0.4063


 85.5833, 0.2979,
0.3838

 22.1009, 0.2877,
0.4186


 111.0766, 0.2993,
0.3789

 13.9311, 0.2825,
0.4354


 141.1878, 0.3005,
0.3748

 8.0727, 0.2747,
0.4597

176.3013, 0.3014,
0.3714

 4.1415, 0.2620,
0.4981

216.8015, 0.3023,
0.3684

 1.7530, 0.2408,
0.5773

263.0727, 0.3030,

 0.4576, 0.0000,

0.3658

1.0000

315.4994, 0.3036,
0.3636

0.0000, 0.0000,
0.0000

46.9127, 0.2941,
0.3970

46.9127, 0.2941,
0.3970

45.0893, 0.2896,
0.4214

49.0886, 0.2993,
0.3744

43.5937, 0.2860,
0.4472

51.6285, 0.3048,
0.3540

42.4074, 0.2837,
0.4737


54.5505, 0.3104,
0.3358

41.5073, 0.2829,
0.4997

57.8697, 0.3161,
0.3196

40.8670, 0.2837,
0.5241

61.6006, 0.3216,
0.3055

 40.4550, 0.2862,
0.5456

 65.7567, 0.3268,
0.2931

 40.2837, 0.2880,
0.5570

 67.8287, 0.3221,
0.2809

 68.4177, 0.3154,
0.2722

Harmonies

Analogous

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



46.9127, 0.3424, 0.4173



46.9127, 0.2941, 0.3970



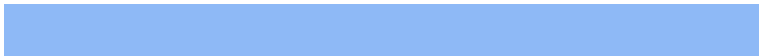
46.9127, 0.2529, 0.3533

Triad

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



46.9127, 0.2941, 0.3970



46.9127, 0.2421, 0.2523



46.9127, 0.4049, 0.3414

Complementary

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



46.9127, 0.2941, 0.3970



30.9592, 0.3384, 0.2697

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.



46.9127, 0.3738, 0.3035



46.9127, 0.2941, 0.3970



46.9127, 0.2779, 0.2541

Square

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



46.9127, 0.2941, 0.3970



46.9127, 0.2248, 0.2693



46.9127, 0.3260, 0.2725



46.9127, 0.4085, 0.3794

Rectangle

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



46.9127, 0.2941, 0.3970



46.9127, 0.2343, 0.3205



46.9127, 0.3260, 0.2725



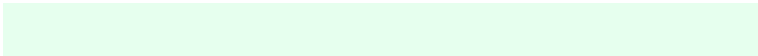
46.9127, 0.3973, 0.3284

Sweetspot

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



46.9146, 0.2941, 0.3970



94.4043, 0.3070, 0.3467



50.8831, 0.3460, 0.4181



20.0505, 0.3062, 0.3493



0.0000, 0.0000, 0.0000



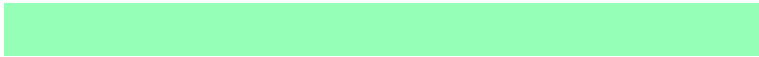
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9146, 0.2941, 0.3970



81.4767, 0.2906, 0.4154



48.1242, 0.2731, 0.3479



11.9418, 0.3074, 0.3453



26.5064, 0.2874, 0.5546



1.2683, 0.2752, 0.5107

Inverse Universe

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



30.9592, 0.3384, 0.2697



48.5005, 0.3460, 0.2565



29.8203, 0.3757, 0.3113



10.7578, 0.3185, 0.3133



8.9770, 0.4188, 0.2080



0.4377, 0.3936, 0.1942

Previews

White Background



This preview shows how the Yxy color 46.9127, 0.2941, 0.3970 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 46.9127, 0.2941, 0.3970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

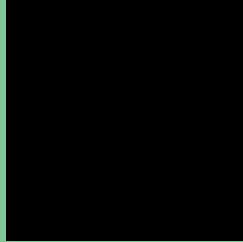
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9127, 0.2941, 0.3970

Background



This preview shows how black text looks on a background with the Yxy color 46.9127, 0.2941, 0.3970.



This preview shows how white text looks on a background with the Yxy color 46.9127, 0.2941, 0.3970.

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

46.9127, 0.2941, 0.3970

Protanopia

46.3684, 0.3549, 0.3786

Deuteranopia

46.4701, 0.3594, 0.3527



Tritanopia

46.8974, 0.2659, 0.3085

Trichromacy



Original Color

46.9127, 0.2941, 0.3970

Protanomaly

46.1620, 0.3302, 0.3856

Deuteranomaly

45.9034, 0.3334, 0.3680

Tritanomaly

46.9611, 0.2763, 0.3402

Monochromacy



Original Color

46.9127, 0.2941, 0.3970

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.8962, 0.3057, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9127, 0.2941, 0.3970 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, 197, 151)` looks like.

```
.text, #text, p{  
    color:rgb(130, 197, 151)  
}
```

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, 197, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 197, 151) }
```

Border

The CSS property to change the border of an element to Yxy 46.9127, 0.2941, 0.3970 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, 197, 151) }
```

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

```
.border{ border-color:rgb(130, 197, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 197, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 197, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 197, 151);  
box-shadow:4px 4px 4px 4px rgb(130, 197,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9127, 0.2941, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 197, 151) }
```

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

```
.background{ background-color: rgb(130,  
197, 151) }
```

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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