

Converting Colors

$Yxy(41.7082, 0.3055, 0.4082)$

Have a look what the booklet for
Yxy(41.7082, 0.3055, 0.4082)
contains.

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Color

Yxy(41.6129, 0.3051, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	82BA87
RGB	130, 186, 135
RGB Percent	51%, 73%, 53%
CMY	0.4901, 0.2706, 0.4706
CMYK	0.30, 0.00, 0.27, 0.27
HSL	125°, 29%, 62%
HSV	125°, 30%, 73%
XYZ	31.1408, 41.6129, 29.3138
YIQ	163.4420, -17.0050, -27.7330

Conversions

Conversions Part 2

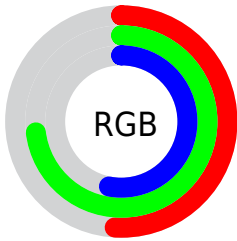
Format	Color
RYB	130, 181, 186
Decimal	8567431
CIELab	70.60, -28.60, 20.17
CIElCh	71, 34.996, 144.797
Yxy	41.6129, 0.3051, 0.4077
Android (android.graphics.Color)	4286757511 (0xFF82BA87)
YUV	163.4420, -14.0219, -29.3286
Hunter-Lab	64.5081, -26.7196, 18.2131

Details

The Yxy color **41.6129, 0.3051, 0.4077** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.7475, 0.3212, 0.2613**, and the grayscale version is **36.9225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3254, 0.3072, 0.3921**, and **18.7781, 0.3007, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **39.8340, 0.3026, 0.4393**, and if you desaturate by 10%, it is **43.7371, 0.3077, 0.3786**.

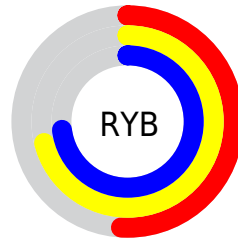
Distribution



Red (51%)

Green (73%)

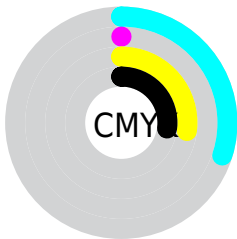
Blue (53%)



Red (51%)

Yellow (71%)

Blue (73%)

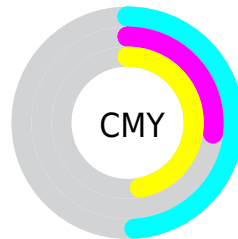


Cyan (30%)

Magenta (0%)

Yellow (27%)

Black (27%)



Cyan (49%)


Magenta (27%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6129, 0.3051, 0.4077 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 41.6129, 0.3051, 0.4077 by changing the saturation by 10% instead.


 41.6129, 0.3051,
0.4077

 41.6129, 0.3051,
0.4077


352.8757, 0.3100,
0.3658


 28.7983, 0.3035,
0.4190

 77.6134, 0.3071,
0.3918

 18.9283, 0.3012,
0.4341


 101.5681, 0.3078,
0.3861

 11.6185, 0.2976,
0.4551


 130.0050, 0.3084,
0.3813

 6.4845, 0.2915,
0.4862

163.3085, 0.3088,
0.3772

 3.1418, 0.2798,
0.5363

201.8629, 0.3092,
0.3738

 1.2062, 0.2572,
0.7428

246.0526, 0.3095,

 0.0668, 0.0000,

0.3707

1.0000

296.2621, 0.3097,
0.3681

0.0000, 0.0000,
0.0000

41.6129, 0.3051,
0.4077

41.6129, 0.3051,
0.4077

39.8340, 0.3026,
0.4393

43.7371, 0.3077,
0.3786

38.3774, 0.3004,
0.4723

46.2180, 0.3102,
0.3523

37.2251, 0.2987,
0.5052


49.0729, 0.3127,
0.3292


36.3555, 0.2976,
0.5359


52.3163, 0.3150,
0.3090


35.7440, 0.2972,
0.5620

55.9621, 0.3172,
0.2915

 35.3620, 0.2977,
0.5817

 60.0235, 0.3191,
0.2765

 35.1566, 0.2983,
0.5941

 63.5088, 0.3169,
0.2626

 63.5975, 0.3159,
0.2614

Harmonies

Analogous

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



41.6129, 0.3550, 0.4212



41.6129, 0.3051, 0.4077



41.6129, 0.2595, 0.3664

Triad

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



41.6129, 0.3051, 0.4077



41.6129, 0.2334, 0.2519



41.6129, 0.4031, 0.3319

Complementary

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



41.6129, 0.3051, 0.4077



29.7475, 0.3212, 0.2613

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.



41.6129, 0.3652, 0.2939



41.6129, 0.3051, 0.4077



41.6129, 0.2661, 0.2494

Square

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



41.6129, 0.3051, 0.4077



41.6129, 0.2206, 0.2742



41.6129, 0.3139, 0.2647



41.6129, 0.4140, 0.3720

Rectangle

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



41.6129, 0.3051, 0.4077



41.6129, 0.2374, 0.3321



41.6129, 0.3139, 0.2647



41.6129, 0.3930, 0.3187

Sweetspot

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



41.6147, 0.3051, 0.4077



84.2335, 0.3105, 0.3500



46.5941, 0.3532, 0.4041



18.3934, 0.3101, 0.3536



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.



41.6147, 0.3051, 0.4077



73.2629, 0.3035, 0.4280



42.4980, 0.2856, 0.3639



10.0728, 0.3104, 0.3505



23.6575, 0.2980, 0.5929



0.8384, 0.2908, 0.5667

Inverse Universe

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



29.7475, 0.3212, 0.2613



48.3462, 0.3234, 0.2468



28.7220, 0.3515, 0.2968



9.1486, 0.3151, 0.3084



8.9673, 0.3443, 0.1670



0.3202, 0.3376, 0.1633

Previews

White Background



This preview shows how the Yxy color 41.6129, 0.3051, 0.4077 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 41.6129, 0.3051, 0.4077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

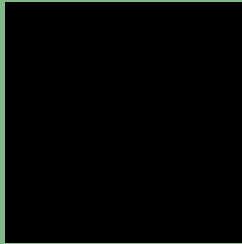
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6129, 0.3051, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 41.6129, 0.3051, 0.4077.



This preview shows how white text looks on a background with the Yxy color 41.6129, 0.3051, 0.4077.

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

41.6129, 0.3051, 0.4077

Protanopia

41.2804, 0.3614, 0.3877

Deuteranopia

41.0537, 0.3707, 0.3629



Tritanopia

41.3538, 0.2718, 0.3077

Trichromacy



Original Color

41.6129, 0.3051, 0.4077

Protanomaly

40.9755, 0.3390, 0.3954

Deuteranomaly

40.8361, 0.3445, 0.3781

Tritanomaly

41.3447, 0.2838, 0.3422

Monochromacy



Original Color

41.6129, 0.3051, 0.4077

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.0050, 0.3097, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6129, 0.3051, 0.4077 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, 186, 135)` looks like.

```
.text, #text, p{  
    color:rgb(130, 186, 135)  
}
```

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, 186, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 186, 135) }
```

Border

The CSS property to change the border of an element to Yxy 41.6129, 0.3051, 0.4077 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, 186, 135) }
```

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

```
.border{ border-color:rgb(130, 186, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 186, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 186, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 186, 135);  
box-shadow:4px 4px 4px 4px rgb(130, 186,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6129, 0.3051, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 186, 135) }
```

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

```
.background{ background-color: rgb(130,  
186, 135) }
```

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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