

Converting Colors

$Yxy(46.3451, 0.3060, 0.4218)$

Have a look what the booklet for
Yxy(46.3451, 0.3060, 0.4218)
contains.

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Color

Yxy(46.4790, 0.3061, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	83C586
RGB	131, 197, 134
RGB Percent	51%, 77%, 53%
CMY	0.4864, 0.2274, 0.4746
CMYK	0.34, 0.00, 0.32, 0.23
HSL	123°, 36%, 64%
HSV	123°, 34%, 77%
XYZ	33.6261, 46.4790, 29.7483
YIQ	170.0840, -19.1130, -33.5850

Conversions

Conversions Part 2

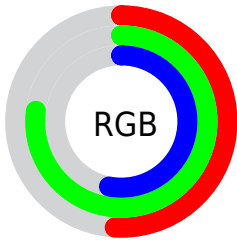
Format	Color
RYB	131, 194, 197
Decimal	8635782
CIELab	73.86, -33.68, 25.15
CIElCh	74, 42.029, 143.252
Yxy	46.4790, 0.3061, 0.4231
Android (android.graphics.Color)	4286825862 (0xFF83C586)
YUV	170.0840, -17.7894, -34.2767
Hunter-Lab	68.1755, -31.2657, 21.8517

Details

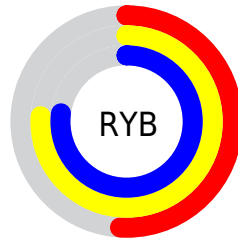
The Yxy color **46.4790, 0.3061, 0.4231** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.9936, 0.3195, 0.2501**, and the grayscale version is **40.3382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9536, 0.3080, 0.4040**, and **21.9047, 0.3014, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **44.5761, 0.3041, 0.4569**, and if you desaturate by 10%, it is **48.7782, 0.3082, 0.3914**.

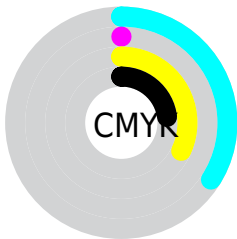
Distribution



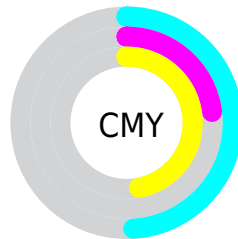
- Red (51%)
- Green (77%)
- Blue (53%)



- Red (51%)
- Yellow (76%)
- Blue (77%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (23%)




- Cyan (49%)
- Magenta (23%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4790, 0.3061, 0.4231 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 46.4790, 0.3061, 0.4231 by changing the saturation by 10% instead.


 46.4790, 0.3061,
0.4231

 46.4790, 0.3061,
0.4231

372.7311, 0.3108,
0.3736

 32.6240, 0.3044,
0.4362


 84.9354, 0.3082,
0.4045

 21.8385, 0.3020,
0.4535


 110.3056, 0.3088,
0.3977

 13.7383, 0.2981,
0.4771


 140.2829, 0.3093,
0.3921

 7.9389, 0.2915,
0.5114

175.2518, 0.3098,
0.3872

 4.0559, 0.2788,
0.5645

215.5967, 0.3101,
0.3831

 1.7049, 0.2716,
0.7284

261.7019, 0.3104,

 0.4268, 0.0000,

0.3795

1.0000

313.9519, 0.3106,
0.3764

0.0000, 0.0000,
0.0000

46.4790, 0.3061,
0.4231

46.4790, 0.3061,
0.4231

44.5761, 0.3041,
0.4569

48.7782, 0.3082,
0.3914

43.0416, 0.3022,
0.4914

51.4880, 0.3102,
0.3627

41.8534, 0.3007,
0.5246


54.6292, 0.3121,
0.3372

40.9846, 0.2996,
0.5538


58.2196, 0.3138,
0.3149


40.4042, 0.2992,
0.5767

62.2758, 0.3154,
0.2957

 40.0750, 0.2993,
0.5917

 66.8136, 0.3169,
0.2791

 39.9561, 0.2993,
0.5974

 68.4164, 0.3154,
0.2722

Harmonies

Analogous

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



46.4790, 0.3633, 0.4359



46.4790, 0.3061, 0.4231



46.4790, 0.2535, 0.3755

Triad

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



46.4790, 0.3061, 0.4231



46.4790, 0.2208, 0.2414



46.4790, 0.4159, 0.3290

Complementary

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



46.4790, 0.3061, 0.4231



31.9936, 0.3195, 0.2501

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.



46.4790, 0.3704, 0.2867



46.4790, 0.3061, 0.4231



46.4790, 0.2566, 0.2381

Square

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



46.4790, 0.3061, 0.4231



46.4790, 0.2077, 0.2673



46.4790, 0.3106, 0.2544



46.4790, 0.4299, 0.3746

Rectangle

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



46.4790, 0.3061, 0.4231



46.4790, 0.2278, 0.3350



46.4790, 0.3106, 0.2544



46.4790, 0.4036, 0.3142

Sweetspot

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



46.4810, 0.3061, 0.4231



94.0108, 0.3108, 0.3537



53.1510, 0.3608, 0.4122



19.9560, 0.3106, 0.3575



0.0000, 0.0000, 0.0000



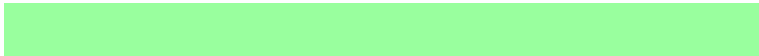
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4810, 0.3061, 0.4231



80.7488, 0.3046, 0.4470



47.5204, 0.2848, 0.3736



11.8956, 0.3110, 0.3518



26.2818, 0.2991, 0.5967



1.2472, 0.2958, 0.5850

Inverse Universe

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



31.9936, 0.3195, 0.2501



50.9667, 0.3211, 0.2340



30.6998, 0.3539, 0.2886



10.8080, 0.3145, 0.3073



10.1999, 0.3325, 0.1606



0.4856, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 46.4790, 0.3061, 0.4231 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 46.4790, 0.3061, 0.4231 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 46.4790, 0.3061, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 46.4790, 0.3061, 0.4231.



This preview shows how white text looks on a background with the Yxy color 46.4790, 0.3061, 0.4231.

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

46.4790, 0.3061, 0.4231

Protanopia

46.1822, 0.3702, 0.3989

Deuteranopia

45.7483, 0.3792, 0.3710



Tritanopia

46.2075, 0.2688, 0.3085

Trichromacy



Original Color

46.4790, 0.3061, 0.4231

Protanomaly

45.9230, 0.3445, 0.4076

Deuteranomaly

45.3293, 0.3504, 0.3895

Tritanomaly

45.9649, 0.2820, 0.3474

Monochromacy



Original Color

46.4790, 0.3061, 0.4231

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.1448, 0.3103, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4790, 0.3061, 0.4231 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(131, 197, 134)` looks like.

```
.text, #text, p{  
    color:rgb(131, 197, 134)  
}
```

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(131, 197, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 197, 134) }
```

Border

The CSS property to change the border of an element to Yxy 46.4790, 0.3061, 0.4231 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(131, 197, 134) }
```

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

```
.border{ border-color:rgb(131, 197, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 197, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 197, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 197, 134);  
box-shadow:4px 4px 4px 4px rgb(131, 197,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4790, 0.3061, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 197, 134) }
```

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

```
.background{ background-color: rgb(131,  
197, 134) }
```

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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