

Converting Colors

$Y_{xy}(46.2180, 0.2865, 0.4135)$

Have a look what the booklet for
Yxy(46.2180, 0.2865, 0.4135)
contains.

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Color

Yxy(46.2400, 0.2861, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	6FC790
RGB	111, 199, 144
RGB Percent	44%, 78%, 56%
CMY	0.5649, 0.2196, 0.4352
CMYK	0.44, 0.00, 0.28, 0.22
HSL	143°, 44%, 61%
HSV	143°, 44%, 78%
XYZ	32.0089, 46.2400, 33.6311
YIQ	166.4180, -34.7930, -35.7610

Conversions

Conversions Part 2

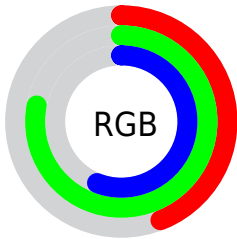
Format	Color
RYB	111, 175, 199
Decimal	7325584
CIELab	73.70, -38.77, 19.46
CIELCh	74, 43.385, 153.346
Yxy	46.2400, 0.2861, 0.4133
Android (android.graphics.Color)	4285515664 (0xFF6FC790)
YUV	166.4180, -11.0521, -48.6016
Hunter-Lab	68.0000, -34.9767, 18.2766

Details

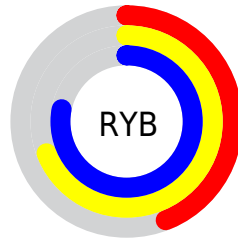
The Yxy color **46.2400, 0.2861, 0.4133** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.2513, 0.3555, 0.2585**, and the grayscale version is **38.4087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8127, 0.2919, 0.3953**, and **21.5491, 0.2767, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **44.7329, 0.2820, 0.4368**, and if you desaturate by 10%, it is **48.0802, 0.2912, 0.3911**.

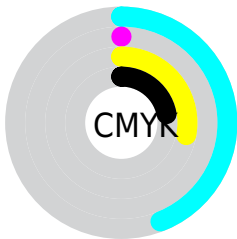
Distribution



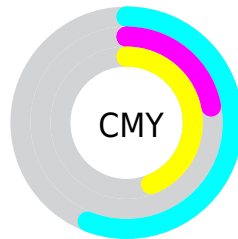
- Red (44%)
- Green (78%)
- Blue (56%)



- Red (44%)
- Yellow (69%)
- Blue (78%)



- Cyan (44%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)




- Cyan (56%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2400, 0.2861, 0.4133 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 46.2400, 0.2861, 0.4133 by changing the saturation by 10% instead.

 46.2400, 0.2861,
0.4133


 46.2400, 0.2861,
0.4133


371.7727, 0.3005,
0.3689

 32.4353, 0.2821,
0.4251


 84.5781, 0.2916,
0.3966

 21.6942, 0.2768,
0.4408


 109.8802, 0.2936,
0.3905

 13.6324, 0.2692,
0.4623


 139.7835, 0.2953,
0.3854

 7.8654, 0.2579,
0.4939

174.6725, 0.2967,
0.3811

 4.0089, 0.2391,
0.5438

214.9315, 0.2978,
0.3774

 1.6786, 0.2009,
0.6811

260.9450, 0.2989,

 0.4097, 0.0000,

0.3742

1.0000

313.0972, 0.2998,
0.3714

0.0000, 0.0000,
0.0000

46.2400, 0.2861,
0.4133

46.2400, 0.2861,
0.4133

44.7329, 0.2820,
0.4368

48.0802, 0.2912,
0.3911

43.5326, 0.2793,
0.4610

50.2667, 0.2971,
0.3707

42.6179, 0.2783,
0.4852


52.8187, 0.3034,
0.3521

41.9621, 0.2791,
0.5083

55.7525, 0.3099,
0.3355

41.5334, 0.2816,
0.5295


59.0833, 0.3165,
0.3208

 41.3562, 0.2835,
0.5406

 62.8253, 0.3229,
0.3078

 66.9923, 0.3291,
0.2965

 68.6090, 0.3236,
0.2849

 69.3317, 0.3153,
0.2742

Harmonies

Analogous

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



46.2400, 0.3453, 0.4398



46.2400, 0.2861, 0.4133



46.2400, 0.2369, 0.3560

Triad

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



46.2400, 0.2861, 0.4133



46.2400, 0.2279, 0.2351



46.2400, 0.4285, 0.3445

Complementary

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



46.2400, 0.2861, 0.4133



26.2513, 0.3555, 0.2585

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.



46.2400, 0.3909, 0.2991



46.2400, 0.2861, 0.4133



46.2400, 0.2718, 0.2389

Square

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



46.2400, 0.2861, 0.4133



46.2400, 0.2064, 0.2535



46.2400, 0.3314, 0.2618



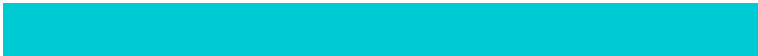
46.2400, 0.4303, 0.3907

Rectangle

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



46.2400, 0.2861, 0.4133



46.2400, 0.2157, 0.3145



46.2400, 0.3314, 0.2618



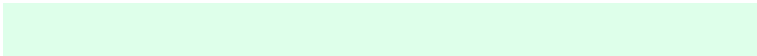
46.2400, 0.4196, 0.3289

Sweetspot

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



46.2419, 0.2861, 0.4133



92.9837, 0.3041, 0.3503



50.1832, 0.3497, 0.4481



19.6726, 0.3027, 0.3542



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.



46.2419, 0.2861, 0.4133



78.4277, 0.2822, 0.4357



47.8270, 0.2601, 0.3458



11.9527, 0.3066, 0.3438



26.6056, 0.2828, 0.5381



1.2738, 0.2708, 0.4947

Inverse Universe

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



26.2513, 0.3555, 0.2585



39.0281, 0.3688, 0.2445



24.9227, 0.4128, 0.3138



10.7464, 0.3194, 0.3147



8.7651, 0.4427, 0.2212



0.4288, 0.4109, 0.2037

Previews

White Background



This preview shows how the Yxy color 46.2400, 0.2861, 0.4133 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 46.2400, 0.2861, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

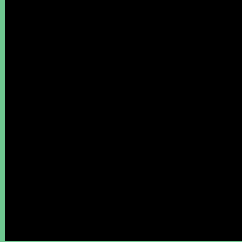
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2400, 0.2861, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 46.2400, 0.2861, 0.4133.



This preview shows how white text looks on a background with the Yxy color 46.2400, 0.2861, 0.4133.

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

46.2400, 0.2861, 0.4133

Protanopia

45.7292, 0.3620, 0.3878

Deuteranopia

45.4990, 0.3654, 0.3578



Tritanopia

46.1535, 0.2562, 0.3081

Trichromacy



Original Color

46.2400, 0.2861, 0.4133



Protanomaly

45.1622, 0.3303, 0.3982



Deuteranomaly

44.4783, 0.3322, 0.3759



Tritanomaly

46.0674, 0.2674, 0.3448

Monochromacy



Original Color

46.2400, 0.2861, 0.4133



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.4204, 0.3011, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2400, 0.2861, 0.4133 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(111, 199, 144)` looks like.

```
.text, #text, p{  
    color:rgb(111, 199, 144)  
}
```

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(111, 199, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 199, 144) }
```

Border

The CSS property to change the border of an element to Yxy 46.2400, 0.2861, 0.4133 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(111, 199, 144) }
```

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

```
.border{ border-color:rgb(111, 199, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 199, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 199, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 199, 144);  
box-shadow:4px 4px 4px 4px rgb(111, 199,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2400, 0.2861, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 199, 144) }
```

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

```
.background{ background-color: rgb(111,  
199, 144) }
```

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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