

Converting Colors

$Yxy(46.3052, 0.2984, 0.4230)$

Have a look what the booklet for
Yxy(46.3052, 0.2984, 0.4230)
contains.

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Color

Yxy(46.3033, 0.2984, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	7AC688
RGB	122, 198, 136
RGB Percent	48%, 78%, 53%
CMY	0.5215, 0.2235, 0.4668
CMYK	0.38, 0.00, 0.31, 0.22
HSL	131°, 40%, 63%
HSV	131°, 38%, 78%
XYZ	32.6641, 46.3033, 30.4967
YIQ	168.2080, -25.3940, -35.3940

Conversions

Conversions Part 2

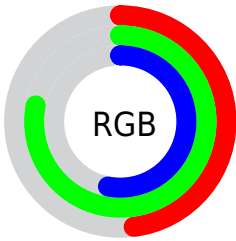
Format	Color
RYB	122, 186, 198
Decimal	8046216
CIELab	73.74, -36.59, 23.87
CIElCh	74, 43.691, 146.882
Yxy	46.3033, 0.2984, 0.4230
Android (android.graphics.Color)	4286236296 (0xFF7AC688)
YUV	168.2080, -15.8785, -40.5244
Hunter-Lab	68.0465, -33.3968, 21.0603

Details

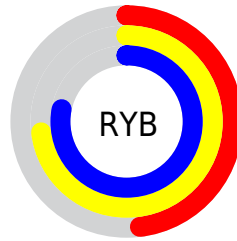
The Yxy color **46.3033, 0.2984, 0.4230** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.3926, 0.3317, 0.2506**, and the grayscale version is **39.3559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5848, 0.3016, 0.4038**, and **21.8473, 0.2914, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **44.5785, 0.2954, 0.4529**, and if you desaturate by 10%, it is **48.3958, 0.3019, 0.3949**.

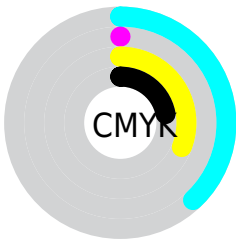
Distribution



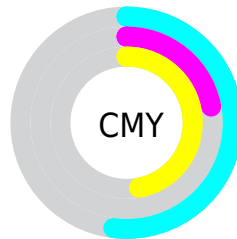
- Red (48%)
- Green (78%)
- Blue (53%)



- Red (48%)
- Yellow (73%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)





- Cyan (52%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3033, 0.2984, 0.4230 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 46.3033, 0.2984, 0.4230 by changing the saturation by 10% instead.

 46.3033, 0.2984,
0.4230


 46.3033, 0.2984,
0.4230

372.0267, 0.3069,
0.3734


 32.4852, 0.2958,
0.4362


 84.6727, 0.3019,
0.4044

 21.7324, 0.2921,
0.4536


 109.9929, 0.3031,
0.3975

 13.6604, 0.2866,
0.4776


 139.9158, 0.3040,
0.3919

 7.8848, 0.2778,
0.5125

174.8260, 0.3048,
0.3870

 4.0214, 0.2621,
0.5671

215.1078, 0.3055,
0.3829

 1.6855, 0.2469,
0.7531

261.1456, 0.3060,

 0.4143, 0.0000,

0.3793

1.0000

313.3237, 0.3065,
0.3762

0.0000, 0.0000,
0.0000

46.3033, 0.2984,
0.4230

46.3033, 0.2984,
0.4230

44.5785, 0.2954,
0.4529

48.3958, 0.3019,
0.3949

43.1944, 0.2932,
0.4835

50.8695, 0.3057,
0.3692

42.1297, 0.2919,
0.5133


53.7443, 0.3095,
0.3462

41.3582, 0.2919,
0.5406


57.0372, 0.3133,
0.3259

40.8492, 0.2930,
0.5635


60.7639, 0.3170,
0.3081

 40.5567, 0.2951,
0.5809

 64.9396, 0.3205,
0.2927

 40.5191, 0.2953,
0.5832

 68.4968, 0.3195,
0.2786

 68.8696, 0.3153,
0.2732

Harmonies

Analogous

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



46.3033, 0.3581, 0.4409



46.3033, 0.2984, 0.4230



46.3033, 0.2456, 0.3699

Triad

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



46.3033, 0.2984, 0.4230



46.3033, 0.2207, 0.2366



46.3033, 0.4239, 0.3344

Complementary

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



46.3033, 0.2984, 0.4230



29.3926, 0.3317, 0.2506

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.



46.3033, 0.3797, 0.2899



46.3033, 0.2984, 0.4230



46.3033, 0.2603, 0.2359

Square

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



46.3033, 0.2984, 0.4230



46.3033, 0.2043, 0.2602



46.3033, 0.3179, 0.2550



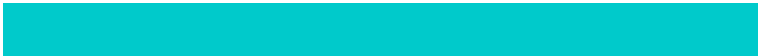
46.3033, 0.4338, 0.3814

Rectangle

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



46.3033, 0.2984, 0.4230



46.3033, 0.2208, 0.3275



46.3033, 0.3179, 0.2550



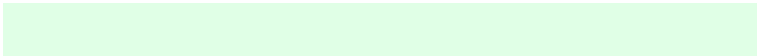
46.3033, 0.4124, 0.3189

Sweetspot

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



46.3052, 0.2984, 0.4230



93.1455, 0.3081, 0.3546



51.9945, 0.3575, 0.4274



19.7914, 0.3075, 0.3577



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.



46.3052, 0.2984, 0.4230



79.4092, 0.2959, 0.4478



47.5822, 0.2742, 0.3639



11.9192, 0.3091, 0.3484



26.3590, 0.2948, 0.5814



1.2580, 0.2845, 0.5441

Inverse Universe

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



29.3926, 0.3317, 0.2506



45.2606, 0.3370, 0.2344



28.0076, 0.3762, 0.2973



10.7819, 0.3165, 0.3103



9.5076, 0.3730, 0.1829



0.4591, 0.3603, 0.1759

Previews

White Background



This preview shows how the Yxy color 46.3033, 0.2984, 0.4230 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 46.3033, 0.2984, 0.4230 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 46.3033, 0.2984, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 46.3033, 0.2984, 0.4230.

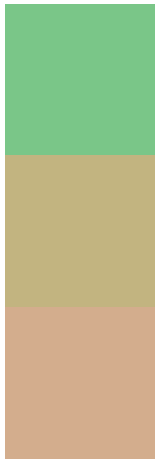


This preview shows how white text looks on a background with the Yxy color 46.3033, 0.2984, 0.4230.

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

46.3033, 0.2984, 0.4230

Protanopia

45.6704, 0.3688, 0.3967

Deuteranopia

45.6591, 0.3764, 0.3687



Tritanopia

46.0372, 0.2625, 0.3070

Trichromacy



Original Color

46.3033, 0.2984, 0.4230



Protanomaly

45.5042, 0.3401, 0.4071



Deuteranomaly

44.9037, 0.3450, 0.3875



Tritanomaly

45.8199, 0.2753, 0.3461

Monochromacy



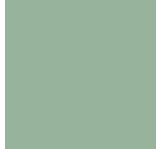
Original Color

46.3033, 0.2984, 0.4230



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.2198, 0.3069, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3033, 0.2984, 0.4230 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(122, 198, 136)` looks like.

```
.text, #text, p{  
    color:rgb(122, 198, 136)  
}
```

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(122, 198, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 198, 136) }
```

Border

The CSS property to change the border of an element to Yxy 46.3033, 0.2984, 0.4230 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(122, 198, 136) }
```

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

```
.border{ border-color:rgb(122, 198, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 198, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 198, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 198, 136);  
box-shadow:4px 4px 4px 4px rgb(122, 198,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3033, 0.2984, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 198, 136) }
```

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

```
.background{ background-color: rgb(122,  
198, 136) }
```

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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