

Converting Colors

$Yxy(47.0932, 0.2933, 0.4279)$

Have a look what the booklet for
Yxy(47.0932, 0.2933, 0.4279)
contains.

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Color

Yxy(47.1283, 0.2931, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	72C988
RGB	114, 201, 136
RGB Percent	45%, 79%, 53%
CMY	0.5531, 0.2117, 0.4666
CMYK	0.43, 0.00, 0.32, 0.21
HSL	135°, 45%, 62%
HSV	135°, 43%, 79%
XYZ	32.2665, 47.1283, 30.6923
YIQ	167.5770, -30.9870, -38.6590

Conversions

Conversions Part 2

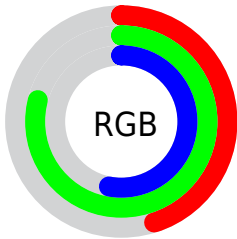
Format	Color
RYB	114, 183, 201
Decimal	7522696
CIELab	74.27, -40.30, 24.51
CIELCh	74, 47.169, 148.699
Yxy	47.1283, 0.2931, 0.4281
Android (android.graphics.Color)	4285712776 (0xFF72C988)
YUV	167.5770, -15.5675, -46.9870
Hunter-Lab	68.6501, -36.2400, 21.5475

Details

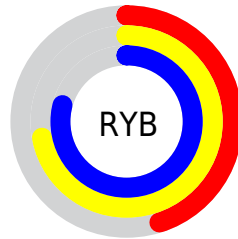
The Yxy color **47.1283, 0.2931, 0.4281** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.6972, 0.3417, 0.2475**, and the grayscale version is **39.0255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7838, 0.2977, 0.4046**, and **22.1595, 0.2851, 0.4590** is the 20% darker color. If you saturate the color by 10%, you get **45.5304, 0.2899, 0.4561**, and if you desaturate by 10%, it is **49.0860, 0.2971, 0.4015**.

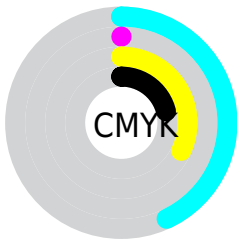
Distribution



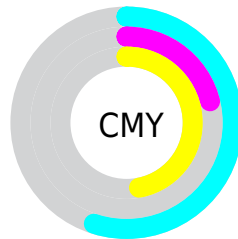
- Red (45%)
- Green (79%)
- Blue (53%)



- Red (45%)
- Yellow (72%)
- Blue (79%)



- Cyan (43%)
- Magenta (0%)
- Yellow (32%)
- Black (21%)




- Cyan (55%)
- Magenta (21%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1283, 0.2931, 0.4281 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 47.1283, 0.2931, 0.4281 by changing the saturation by 10% instead.


 47.1283, 0.2931,
0.4281

 47.1283, 0.2931,
0.4281


375.3264, 0.3044,
0.3758

 33.1371, 0.2898,
0.4420


 85.9051, 0.2976,
0.4084

 22.2315, 0.2851,
0.4604


 111.4595, 0.2992,
0.4013

 14.0271, 0.2784,
0.4857


 141.6371, 0.3004,
0.3952

 8.1395, 0.2678,
0.5223

176.8222, 0.3015,
0.3902

 4.1843, 0.2494,
0.5796

217.3993, 0.3024,
0.3858

 1.7772, 0.2249,
0.7720

263.7528, 0.3032,

 0.4729, 0.0000,

0.3820

1.0000

316.2670, 0.3038,
0.3787

0.0000, 0.0000,
0.0000

47.1283, 0.2931,
0.4281

47.1283, 0.2931,
0.4281

45.5304, 0.2899,
0.4561

49.0860, 0.2971,
0.4015

44.2644, 0.2878,
0.4845

51.4178, 0.3016,
0.3770

43.3075, 0.2871,
0.5121


54.1442, 0.3063,
0.3548

42.6317, 0.2879,
0.5374

57.2828, 0.3111,
0.3350

42.2033, 0.2901,
0.5589

60.8497, 0.3159,
0.3176

 42.0160, 0.2919,
0.5709

 64.8604, 0.3205,
0.3024

 69.3296, 0.3249,
0.2891

 70.2577, 0.3152,
0.2762

Harmonies

Analogous

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



47.1283, 0.3569, 0.4495



47.1283, 0.2931, 0.4281



47.1283, 0.2379, 0.3688

Triad

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



47.1283, 0.2931, 0.4281



47.1283, 0.2166, 0.2298



47.1283, 0.4339, 0.3371

Complementary

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



47.1283, 0.2931, 0.4281



27.6972, 0.3417, 0.2475

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.



47.1283, 0.3882, 0.2898



47.1283, 0.2931, 0.4281



47.1283, 0.2598, 0.2307

Square

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



47.1283, 0.2931, 0.4281



47.1283, 0.1977, 0.2529



47.1283, 0.3221, 0.2522



47.1283, 0.4417, 0.3869

Rectangle

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



47.1283, 0.2931, 0.4281



47.1283, 0.2128, 0.3229



47.1283, 0.3221, 0.2522



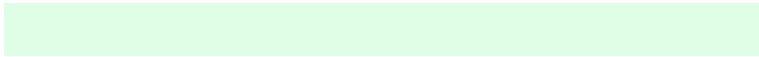
47.1283, 0.4223, 0.3207

Sweetspot

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



47.1303, 0.2931, 0.4281



92.7530, 0.3064, 0.3545



52.6048, 0.3578, 0.4421



19.6161, 0.3053, 0.3593



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.



47.1303, 0.2931, 0.4281



78.0869, 0.2901, 0.4545



48.6170, 0.2668, 0.3605



11.9312, 0.3082, 0.3467



26.4280, 0.2913, 0.5685



1.2635, 0.2794, 0.5258

Inverse Universe

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



27.6972, 0.3417, 0.2475



40.5198, 0.3503, 0.2313



26.2140, 0.3961, 0.3007



10.7689, 0.3176, 0.3119



9.2092, 0.3966, 0.1959



0.4472, 0.3776, 0.1854

Previews

White Background



This preview shows how the Yxy color 47.1283, 0.2931, 0.4281 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 47.1283, 0.2931, 0.4281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

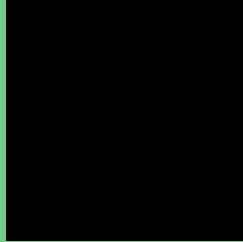
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1283, 0.2931, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 47.1283, 0.2931, 0.4281.

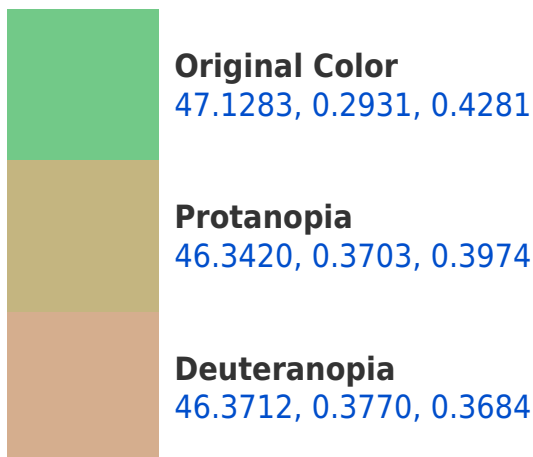


This preview shows how white text looks on a background with the Yxy color 47.1283, 0.2931, 0.4281.

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





Tritanopia

46.9501, 0.2582, 0.3083

Trichromacy



Original Color

47.1283, 0.2931, 0.4281



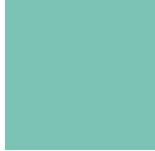
Protanomaly

45.7121, 0.3381, 0.4088



Deuteranomaly

45.5215, 0.3419, 0.3890



Tritanomaly

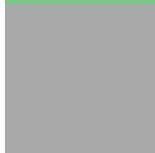
46.6515, 0.2706, 0.3491

Monochromacy



Original Color

47.1283, 0.2931, 0.4281



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.3387, 0.3043, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1283, 0.2931, 0.4281 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(114, 201, 136)` looks like.

```
.text, #text, p{  
    color:rgb(114, 201, 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(114, 201, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 201, 136) }
```

Border

The CSS property to change the border of an element to Yxy 47.1283, 0.2931, 0.4281 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(114, 201, 136) }
```

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

```
.border{ border-color:rgb(114, 201, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 201, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 201, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 201, 136);  
box-shadow:4px 4px 4px 4px rgb(114, 201,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1283, 0.2931, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 201, 136) }
```

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

```
.background{ background-color: rgb(114,  
201, 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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