

Converting Colors

$Yxy(46.0924, 0.2871, 0.4249)$

Have a look what the booklet for
Yxy(46.0924, 0.2871, 0.4249)
contains.

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Color

Yxy(46.2077, 0.2869, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	6AC88A
RGB	106, 200, 138
RGB Percent	42%, 78%, 54%
CMY	0.5840, 0.2157, 0.4588
CMYK	0.47, 0.00, 0.31, 0.22
HSL	140°, 46%, 60%
HSV	140°, 47%, 78%
XYZ	31.1929, 46.2077, 31.3234
YIQ	164.8260, -36.1220, -39.2100

Conversions

Conversions Part 2

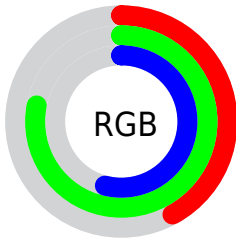
Format	Color
RYB	106, 176, 200
Decimal	6998154
CIELab	73.68, -41.67, 22.59
CIELCh	74, 47.397, 151.532
Yxy	46.2077, 0.2869, 0.4250
Android (android.graphics.Color)	4285188234 (0xFF6AC88A)
YUV	164.8260, -13.2252, -51.5904
Hunter-Lab	67.9762, -37.0484, 20.2626

Details

The Yxy color **46.2077, 0.2869, 0.4250** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.4320, 0.3550, 0.2504**, and the grayscale version is **37.6265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0072, 0.2923, 0.4031**, and **21.6083, 0.2771, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **44.7634, 0.2834, 0.4501**, and if you desaturate by 10%, it is **47.9881, 0.2914, 0.4011**.

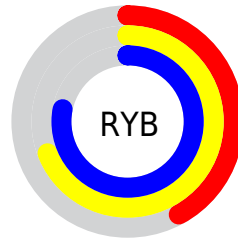
Distribution



Red (42%)

Green (78%)

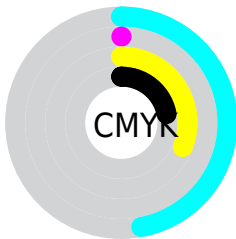
Blue (54%)



Red (42%)

Yellow (69%)

Blue (78%)

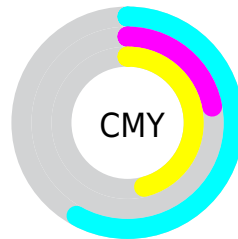


Cyan (47%)

Magenta (0%)

Yellow (31%)

Black (22%)



Cyan (58%)


Magenta (22%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2077, 0.2869, 0.4250 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 46.2077, 0.2869, 0.4250 by changing the saturation by 10% instead.

 46.2077, 0.2869,
0.4250


 46.2077, 0.2869,
0.4250


371.6430, 0.3013,
0.3741


 32.4098, 0.2828,
0.4386


 84.5298, 0.2925,
0.4058


 21.6747, 0.2773,
0.4566


 109.8226, 0.2945,
0.3989

 13.6180, 0.2693,
0.4815


 139.7160, 0.2961,
0.3930

 7.8555, 0.2572,
0.5178

 174.5941, 0.2975,
0.3881

 4.0026, 0.2366,
0.5752

214.8415, 0.2986,
0.3839

 1.6750, 0.1949,
0.7730

260.8426, 0.2996,

 0.4074, 0.0000,

0.3802

1.0000

312.9816, 0.3005,
0.3770

■ 0.0000, 0.0000,
0.0000

■ 46.2077, 0.2869,
0.4250

■ 46.2077, 0.2869,
0.4250

■ 44.7634, 0.2834,
0.4501

■ 47.9881, 0.2914,
0.4011

■ 43.6276, 0.2814,
0.4757

■ 50.1185, 0.2967,
0.3788

■ 42.7777, 0.2810,
0.5007

■ 52.6192, 0.3025,
0.3586


■ 42.1853, 0.2824,
0.5241

■ 55.5070, 0.3085,
0.3404


■ 41.8126, 0.2853,
0.5447


■ 58.7978, 0.3145,
0.3243

 41.7227, 0.2862,
0.5504

 62.5065, 0.3205,
0.3101

 66.6474, 0.3262,
0.2977

 69.0729, 0.3234,
0.2858

 69.7853, 0.3152,
0.2752

Harmonies

Analogous

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



46.2077, 0.3513, 0.4508



46.2077, 0.2869, 0.4250



46.2077, 0.2328, 0.3626

Triad

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



46.2077, 0.2869, 0.4250



46.2077, 0.2188, 0.2279



46.2077, 0.4378, 0.3418

Complementary

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



46.2077, 0.2869, 0.4250



25.4320, 0.3550, 0.2504

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.



46.2077, 0.3947, 0.2935



46.2077, 0.2869, 0.4250



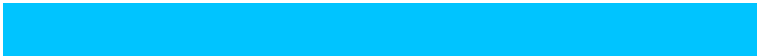
46.2077, 0.2645, 0.2309

Square

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



46.2077, 0.2869, 0.4250



46.2077, 0.1973, 0.2487



46.2077, 0.3287, 0.2544



46.2077, 0.4417, 0.3919

Rectangle

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



46.2077, 0.2869, 0.4250



46.2077, 0.2091, 0.3164



46.2077, 0.3287, 0.2544



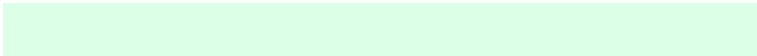
46.2077, 0.4273, 0.3252

Sweetspot

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



46.2096, 0.2869, 0.4250



92.4210, 0.3042, 0.3534



50.7481, 0.3542, 0.4544



19.5583, 0.3029, 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.



46.2096, 0.2869, 0.4250



77.5425, 0.2835, 0.4497



47.8493, 0.2594, 0.3517



11.9464, 0.3071, 0.3446



26.5460, 0.2855, 0.5479



1.2706, 0.2733, 0.5040

Inverse Universe

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



25.4320, 0.3550, 0.2504



37.3704, 0.3677, 0.2359



24.0011, 0.4178, 0.3088



10.7530, 0.3189, 0.3139



8.8842, 0.4287, 0.2136



0.4338, 0.4008, 0.1982

Previews

White Background



This preview shows how the Yxy color 46.2077, 0.2869, 0.4250 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 46.2077, 0.2869, 0.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

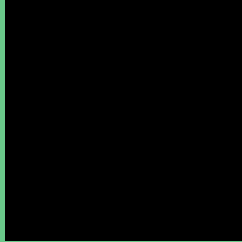
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2077, 0.2869, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 46.2077, 0.2869, 0.4250.

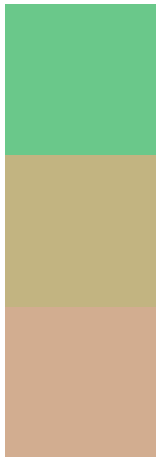


This preview shows how white text looks on a background with the Yxy color 46.2077, 0.2869, 0.4250.

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

46.2077, 0.2869, 0.4250

Protanopia

45.6968, 0.3680, 0.3954

Deuteranopia

45.6024, 0.3728, 0.3651



Tritanopia

45.9776, 0.2538, 0.3066

Trichromacy



Original Color

46.2077, 0.2869, 0.4250



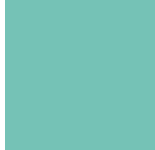
Protanomaly

44.8880, 0.3340, 0.4071



Deuteranomaly

44.5906, 0.3360, 0.3858



Tritanomaly

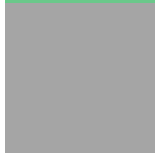
45.7429, 0.2656, 0.3464

Monochromacy



Original Color

46.2077, 0.2869, 0.4250



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.1366, 0.3018, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2077, 0.2869, 0.4250 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(106, 200, 138)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 138)  
}
```

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(106, 200, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 138) }
```

Border

The CSS property to change the border of an element to Yxy 46.2077, 0.2869, 0.4250 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(106, 200, 138) }
```

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

```
.border{ border-color:rgb(106, 200, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 200, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 200, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 200, 138);  
box-shadow:4px 4px 4px 4px rgb(106, 200,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2077, 0.2869, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 138) }
```

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

```
.background{ background-color: rgb(106,  
200, 138) }
```

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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