

Converting Colors

$Yxy(46.8599, 0.2850, 0.4096)$

Have a look what the booklet for
Yxy(46.8599, 0.2850, 0.4096)
contains.

Yxy(46.8599, 0.2850, 0.4096)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8599, 0.2850, 0.4096)

Conversions

Conversions Part 1

Format	Color
Hex	70C893
RGB	112, 200, 147
RGB Percent	44%, 78%, 58%
CMY	0.5607, 0.2157, 0.4234
CMYK	0.44, 0.00, 0.26, 0.22
HSL	144°, 44%, 61%
HSV	144°, 44%, 78%
XYZ	32.6052, 46.8599, 34.9390
YIQ	167.6460, -35.4350, -35.1390

Conversions

Conversions Part 2

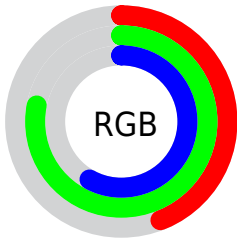
Format	Color
RYB	112, 175, 200
Decimal	7391379
CIELab	74.10, -38.35, 18.42
CIElCh	74, 42.543, 154.342
Yxy	46.8599, 0.2850, 0.4096
Android (android.graphics.Color)	4285581459 (0xFF70C893)
YUV	167.6460, -10.1785, -48.8015
Hunter-Lab	68.4543, -34.7745, 17.6565

Details

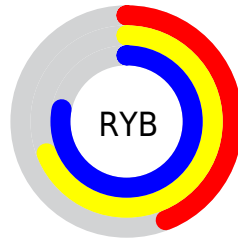
The Yxy color **46.8599, 0.2850, 0.4096** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.5867, 0.3576, 0.2612**, and the grayscale version is **39.0421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0619, 0.2909, 0.3915**, and **21.9361, 0.2753, 0.4355** is the 20% darker color. If you saturate the color by 10%, you get **45.3336, 0.2807, 0.4322**, and if you desaturate by 10%, it is **48.7210, 0.2904, 0.3883**.

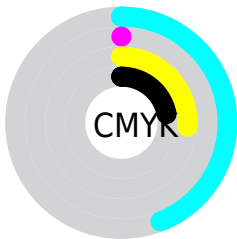
Distribution



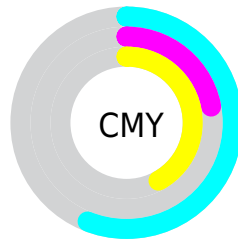
- Red (44%)
- Green (78%)
- Blue (58%)



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



- Cyan (44%)
- Magenta (0%)
- Yellow (26%)
- Black (22%)





- Cyan (56%)
- Magenta (22%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8599, 0.2850, 0.4096 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 46.8599, 0.2850, 0.4096 by changing the saturation by 10% instead.


 46.8599, 0.2850,
0.4096


 46.8599, 0.2850,
0.4096


374.2550, 0.2999,
0.3673

 32.9249, 0.2810,
0.4208


 85.5045, 0.2906,
0.3937

 22.0689, 0.2756,
0.4356


 110.9828, 0.2927,
0.3879

 13.9076, 0.2680,
0.4560


 141.0778, 0.2944,
0.3831

 8.0564, 0.2568,
0.4857

176.1737, 0.2958,
0.3789

 4.1311, 0.2385,
0.5326

216.6550, 0.2971,
0.3754

 1.7471, 0.2023,
0.6456

262.9060, 0.2981,

 0.4539, 0.0000,

0.3723

1.0000

315.3113, 0.2990,
0.3696

0.0000, 0.0000,
0.0000

46.8599, 0.2850,
0.4096

46.8599, 0.2850,
0.4096

45.3336, 0.2807,
0.4322

48.7210, 0.2904,
0.3883

44.1157, 0.2778,
0.4556

50.9299, 0.2965,
0.3687

43.1848, 0.2766,
0.4790

53.5061, 0.3031,
0.3508

42.5143, 0.2772,
0.5017

56.4658, 0.3100,
0.3349

42.0723, 0.2797,
0.5226


59.8243, 0.3168,
0.3207

 41.8820, 0.2817,
0.5342

 63.5958, 0.3236,
0.3082

 67.7942, 0.3301,
0.2973

 69.0617, 0.3235,
0.2860

 69.7890, 0.3152,
0.2752

Harmonies

Analogous

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



46.8599, 0.3428, 0.4368



46.8599, 0.2850, 0.4096



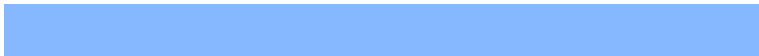
46.8599, 0.2374, 0.3534

Triad

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



46.8599, 0.2850, 0.4096



46.8599, 0.2308, 0.2369



46.8599, 0.4264, 0.3460

Complementary

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



46.8599, 0.2850, 0.4096



26.5867, 0.3576, 0.2612

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.



46.8599, 0.3908, 0.3012



46.8599, 0.2850, 0.4096



46.8599, 0.2745, 0.2413

Square

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



46.8599, 0.2850, 0.4096



46.8599, 0.2089, 0.2543



46.8599, 0.3331, 0.2642



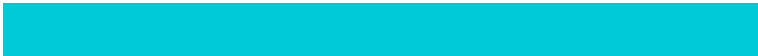
46.8599, 0.4271, 0.3910

Rectangle

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



46.8599, 0.2850, 0.4096



46.8599, 0.2171, 0.3131



46.8599, 0.3331, 0.2642



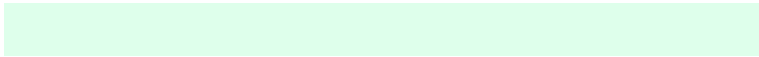
46.8599, 0.4180, 0.3306

Sweetspot

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



46.8618, 0.2850, 0.4096



93.0264, 0.3037, 0.3495



50.6155, 0.3483, 0.4479



19.6830, 0.3022, 0.3533



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.



46.8618, 0.2850, 0.4096



78.5438, 0.2808, 0.4317



48.4607, 0.2595, 0.3436



11.9566, 0.3063, 0.3432



26.6464, 0.2810, 0.5316



1.2759, 0.2691, 0.4888

Inverse Universe

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



26.5867, 0.3576, 0.2612



38.8844, 0.3722, 0.2473



25.2825, 0.4140, 0.3158



10.7424, 0.3197, 0.3152



8.6945, 0.4517, 0.2262



0.4257, 0.4174, 0.2073

Previews

White Background



This preview shows how the Yxy color 46.8599, 0.2850, 0.4096 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 46.8599, 0.2850, 0.4096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

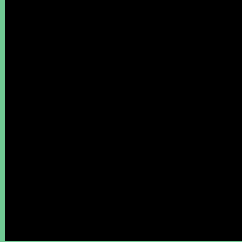
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8599, 0.2850, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 46.8599, 0.2850, 0.4096.

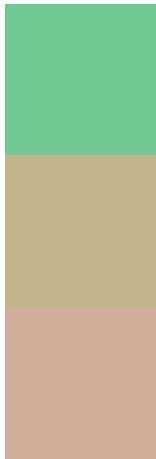


This preview shows how white text looks on a background with the Yxy color 46.8599, 0.2850, 0.4096.

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

46.8599, 0.2850, 0.4096

Protanopia

46.3521, 0.3601, 0.3849

Deuteranopia

46.1273, 0.3633, 0.3552



Tritanopia

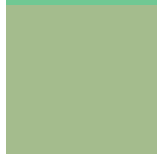
46.6890, 0.2552, 0.3068

Trichromacy



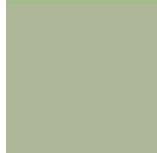
Original Color

46.8599, 0.2850, 0.4096



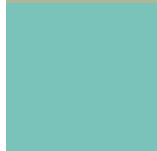
Protanomaly

45.7820, 0.3287, 0.3950



Deuteranomaly

45.1000, 0.3305, 0.3729



Tritanomaly

46.6403, 0.2658, 0.3418

Monochromacy



Original Color

46.8599, 0.2850, 0.4096



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.4765, 0.3013, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8599, 0.2850, 0.4096 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(112, 200, 147)` looks like.

```
.text, #text, p{  
    color:rgb(112, 200, 147)  
}
```

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(112, 200, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 200, 147) }
```

Border

The CSS property to change the border of an element to Yxy 46.8599, 0.2850, 0.4096 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(112, 200, 147) }
```

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

```
.border{ border-color:rgb(112, 200, 147) }
```

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

Here you see how a box with a 4 pixel rgb(112, 200, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 200, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 200, 147);  
box-shadow:4px 4px 4px 4px rgb(112, 200,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8599, 0.2850, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 200, 147) }
```

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

```
.background{ background-color: rgb(112,  
200, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor