

Converting Colors

$Y_{xy}(47.8255, 0.2853, 0.4317)$

Have a look what the booklet for
Yxy(47.8255, 0.2853, 0.4317)
contains.

Yxy(47.8167, 0.2855, 0.4322)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8167, 0.2855, 0.4322)

Conversions

Conversions Part 1

Format	Color
Hex	66CC89
RGB	102, 204, 137
RGB Percent	40%, 80%, 54%
CMY	0.6001, 0.2000, 0.4627
CMYK	0.50, 0.00, 0.33, 0.20
HSL	141°, 50%, 60%
HSV	141°, 50%, 80%
XYZ	31.5865, 47.8167, 31.2324
YIQ	165.8640, -39.2850, -42.4610

Conversions

Conversions Part 2

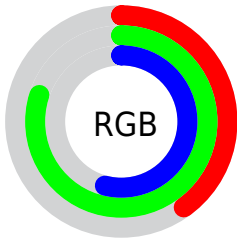
Format	Color
RYB	102, 178, 204
Decimal	6737033
CIELab	74.71, -44.66, 24.49
CIElCh	75, 50.934, 151.255
Yxy	47.8167, 0.2855, 0.4322
Android (android.graphics.Color)	4284927113 (0xFF66CC89)
YUV	165.8640, -14.2300, -56.0087
Hunter-Lab	69.1496, -39.4758, 21.6255

Details

The Yxy color **47.8167, 0.2855, 0.4322** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.2021, 0.3593, 0.2459**, and the grayscale version is **38.1476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6525, 0.2912, 0.4047**, and **22.6753, 0.2751, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **46.4090, 0.2824, 0.4575**, and if you desaturate by 10%, it is **49.5693, 0.2898, 0.4079**.

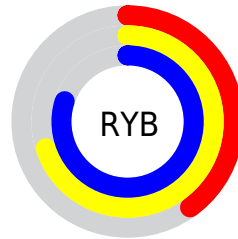
Distribution



Red (40%)

Green (80%)

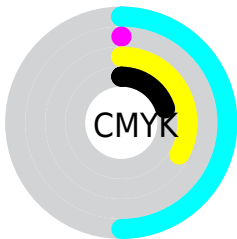
Blue (54%)



Red (40%)

Yellow (70%)

Blue (80%)

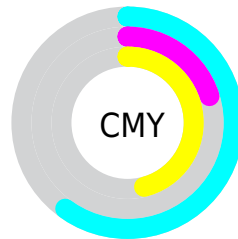


Cyan (50%)

Magenta (0%)

Yellow (33%)

Black (20%)



Cyan (60%)


Magenta (20%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8167, 0.2855, 0.4322 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 47.8167, 0.2855, 0.4322 by changing the saturation by 10% instead.


 47.8167, 0.2855,
0.4322


 47.8167, 0.2855,
0.4322

378.0651, 0.3007,
0.3777


 33.6818, 0.2812,
0.4467


 86.9314, 0.2914,
0.4117


 22.6492, 0.2753,
0.4659


 112.6800, 0.2935,
0.4042

 14.3347, 0.2669,
0.4922


 143.0686, 0.2952,
0.3980

 8.3538, 0.2540,
0.5305

 178.4815, 0.2967,
0.3926

 4.3222, 0.2324,
0.5902

219.3032, 0.2979,
0.3881

 1.8554, 0.1928,
0.7817

265.9182, 0.2990,

 0.5213, 0.0000,

0.3842

1.0000

318.7107, 0.2999,
0.3807

0.0000, 0.0000,
0.0000

47.8167, 0.2855,
0.4322

47.8167, 0.2855,
0.4322

46.4090, 0.2824,
0.4575

49.5693, 0.2898,
0.4079

45.3168, 0.2809,
0.4829

51.6822, 0.2949,
0.3852

44.5150, 0.2810,
0.5075

54.1770, 0.3006,
0.3644

43.9722, 0.2829,
0.5301

57.0718, 0.3066,
0.3457

43.6310, 0.2861,
0.5498

60.3835, 0.3127,
0.3290

■ 64.1281, 0.3187,
0.3143

■ 68.3208, 0.3246,
0.3014

■ 70.9916, 0.3226,
0.2892

■ 71.6685, 0.3151,
0.2792

Harmonies

Analogous

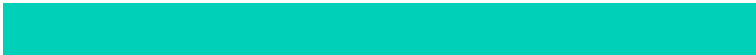
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.8167, 0.3535, 0.4588



47.8167, 0.2855, 0.4322



47.8167, 0.2284, 0.3653

Triad

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



47.8167, 0.2855, 0.4322



47.8167, 0.2133, 0.2225



47.8167, 0.4454, 0.3413

Complementary

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



47.8167, 0.2855, 0.4322



25.2021, 0.3593, 0.2459

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.



47.8167, 0.3992, 0.2909



47.8167, 0.2855, 0.4322



47.8167, 0.2610, 0.2257

Square

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



47.8167, 0.2855, 0.4322



47.8167, 0.1911, 0.2441



47.8167, 0.3287, 0.2500



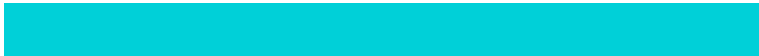
47.8167, 0.4494, 0.3941

Rectangle

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



47.8167, 0.2855, 0.4322



47.8167, 0.2036, 0.3158



47.8167, 0.3287, 0.2500



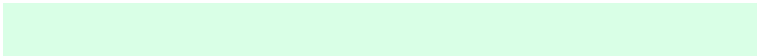
47.8167, 0.4342, 0.3239

Sweetspot

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



47.8187, 0.2855, 0.4322



91.9398, 0.3035, 0.3551



52.6934, 0.3563, 0.4628



19.4637, 0.3022, 0.3592



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.



47.8187, 0.2855, 0.4322



76.6952, 0.2822, 0.4594



49.6004, 0.2568, 0.3535



12.5995, 0.3070, 0.3446



27.4760, 0.2853, 0.5472



1.4317, 0.2740, 0.5064

Inverse Universe

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



25.2021, 0.3593, 0.2459



35.0499, 0.3738, 0.2310



23.6697, 0.4287, 0.3077



11.3358, 0.3189, 0.3139



9.1810, 0.4302, 0.2143



0.4875, 0.4036, 0.1997

Previews

White Background



This preview shows how the Yxy color 47.8167, 0.2855, 0.4322 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 47.8167, 0.2855, 0.4322 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 47.8167, 0.2855, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 47.8167, 0.2855, 0.4322.



This preview shows how white text looks on a background with the Yxy color 47.8167, 0.2855, 0.4322.

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

47.8167, 0.2855, 0.4322

Protanopia

47.2958, 0.3704, 0.3995

Deuteranopia

46.9393, 0.3767, 0.3682



Tritanopia

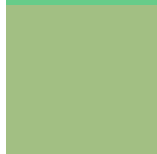
47.7264, 0.2509, 0.3069

Trichromacy



Original Color

47.8167, 0.2855, 0.4322



Protanomaly

46.5817, 0.3339, 0.4134



Deuteranomaly

45.9251, 0.3370, 0.3908



Tritanomaly

47.3596, 0.2629, 0.3492

Monochromacy



Original Color

47.8167, 0.2855, 0.4322



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.8487, 0.3009, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8167, 0.2855, 0.4322 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(102, 204, 137)` looks like.

```
.text, #text, p{  
    color:rgb(102, 204, 137)  
}
```

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(102, 204, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 137) }
```

Border

The CSS property to change the border of an element to Yxy 47.8167, 0.2855, 0.4322 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(102, 204, 137) }
```

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

```
.border{ border-color:rgb(102, 204, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 204, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 204, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 204, 137);  
box-shadow:4px 4px 4px 4px rgb(102, 204,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8167, 0.2855, 0.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 137) }
```

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

```
.background{ background-color: rgb(102,  
204, 137) }
```

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