

Converting Colors

$Yxy(44.8192, 0.2930, 0.4326)$

Have a look what the booklet for
Yxy(44.8192, 0.2930, 0.4326)
contains.

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Color

Yxy(44.8224, 0.2928, 0.4322)

Conversions

Conversions Part 1

Format	Color
Hex	6DC583
RGB	109, 197, 131
RGB Percent	43%, 77%, 51%
CMY	0.5727, 0.2274, 0.4863
CMYK	0.45, 0.00, 0.34, 0.23
HSL	135°, 43%, 60%
HSV	135°, 45%, 77%
XYZ	30.3656, 44.8224, 28.5196
YIQ	163.1640, -31.2620, -39.1820

Conversions

Conversions Part 2

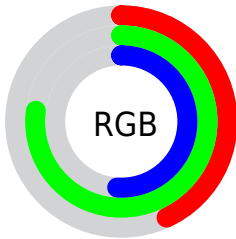
Format	Color
RYB	109, 179, 197
Decimal	7193987
CIELab	72.77, -40.84, 25.10
CIELCh	73, 47.934, 148.431
Yxy	44.8224, 0.2928, 0.4322
Android (android.graphics.Color)	4285384067 (0xFF6DC583)
YUV	163.1640, -15.8569, -47.5018
Hunter-Lab	66.9495, -36.2014, 21.6080

Details

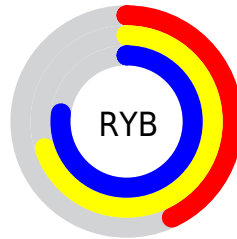
The Yxy color **44.8224, 0.2928, 0.4322** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.8957, 0.3426, 0.2448**, and the grayscale version is **36.7912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3436, 0.2980, 0.4116**, and **20.6970, 0.2841, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **43.3398, 0.2898, 0.4604**, and if you desaturate by 10%, it is **46.6458, 0.2966, 0.4053**.

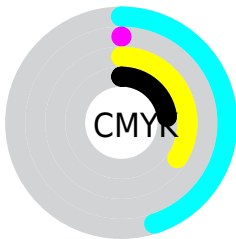
Distribution



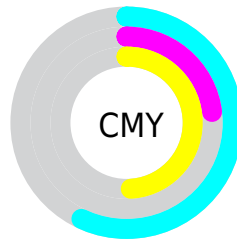
- Red (43%)
- Green (77%)
- Blue (51%)



- Red (43%)
- Yellow (70%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (34%)
- Black (23%)




- Cyan (57%)
- Magenta (23%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8224, 0.2928, 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 44.8224, 0.2928, 0.4322 by changing the saturation by 10% instead.

 44.8224, 0.2928,
0.4322

 44.8224, 0.2928,
0.4322

366.0538, 0.3045,
0.3772


 31.3176, 0.2893,
0.4470


 82.4538, 0.2975,
0.4114

 20.8408, 0.2843,
0.4667


 107.3492, 0.2991,
0.4038

 13.0077, 0.2771,
0.4939


 136.8103, 0.3004,
0.3975

 7.4338, 0.2654,
0.5338

 171.2213, 0.3015,
0.3922

 3.7349, 0.2448,
0.5969

210.9668, 0.3024,
0.3876

 1.5264, 0.1853,
0.8147

256.4311, 0.3032,

 0.3072, 0.0000,

0.3837

1.0000

307.9987, 0.3039,
0.3802

■ 0.0000, 0.0000,
0.0000

■ 44.8224, 0.2928,
0.4322

■ 44.8224, 0.2928,
0.4322

■ 43.3398, 0.2898,
0.4604

■ 46.6458, 0.2966,
0.4053

■ 42.1711, 0.2879,
0.4889

■ 48.8238, 0.3010,
0.3804

■ 41.2943, 0.2874,
0.5163


■ 51.3763, 0.3057,
0.3578


■ 40.6819, 0.2883,
0.5411


■ 54.3200, 0.3105,
0.3376


■ 40.3011, 0.2906,
0.5620


■ 57.6706, 0.3152,
0.3199

 40.1611, 0.2920,
0.5713

 61.4429, 0.3198,
0.3043

 65.6509, 0.3241,
0.2908

 68.0471, 0.3195,
0.2776

 68.4169, 0.3154,
0.2722

Harmonies

Analogous

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



44.8224, 0.3585, 0.4536



44.8224, 0.2928, 0.4322



44.8224, 0.2359, 0.3707

Triad

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



44.8224, 0.2928, 0.4322



44.8224, 0.2135, 0.2270



44.8224, 0.4377, 0.3366

Complementary

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



44.8224, 0.2928, 0.4322



25.8957, 0.3426, 0.2448

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.



44.8224, 0.3901, 0.2881



44.8224, 0.2928, 0.4322



44.8224, 0.2576, 0.2278

Square

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



44.8224, 0.2928, 0.4322



44.8224, 0.1944, 0.2507



44.8224, 0.3217, 0.2497



44.8224, 0.4459, 0.3877

Rectangle

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



44.8224, 0.2928, 0.4322



44.8224, 0.2101, 0.3230



44.8224, 0.3217, 0.2497



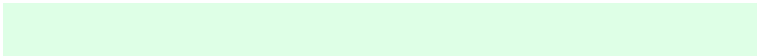
44.8224, 0.4256, 0.3197

Sweetspot

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



44.8243, 0.2928, 0.4322



92.7471, 0.3064, 0.3546



50.1540, 0.3589, 0.4455



19.6146, 0.3054, 0.3594



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.



44.8243, 0.2928, 0.4322



77.5815, 0.2897, 0.4608



46.2809, 0.2657, 0.3616



11.9307, 0.3082, 0.3468



26.4244, 0.2914, 0.5692



1.2632, 0.2796, 0.5266

Inverse Universe

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



25.8957, 0.3426, 0.2448



39.2492, 0.3518, 0.2277



24.4392, 0.3999, 0.2999



10.7695, 0.3175, 0.3118



9.2221, 0.3955, 0.1952



0.4478, 0.3768, 0.1849

Previews

White Background



This preview shows how the Yxy color 44.8224, 0.2928, 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 44.8224, 0.2928, 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 44.8224, 0.2928, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 44.8224, 0.2928, 0.4322.

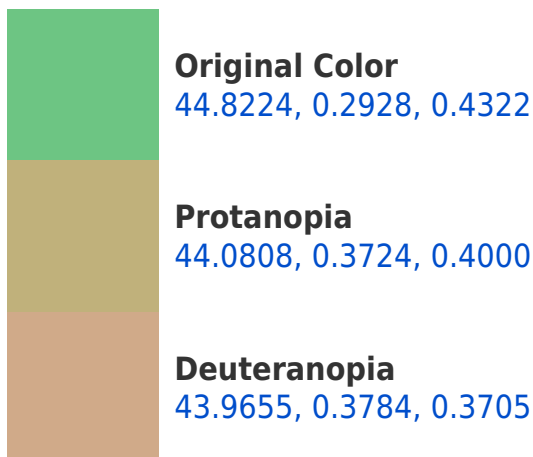


This preview shows how white text looks on a background with the Yxy color 44.8224, 0.2928, 0.4322.

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





Tritanopia

44.6382, 0.2567, 0.3078

Trichromacy



Original Color

44.8224, 0.2928, 0.4322



Protanomaly

43.4687, 0.3393, 0.4120



Deuteranomaly

43.1624, 0.3424, 0.3919



Tritanomaly

44.3579, 0.2693, 0.3496

Monochromacy



Original Color

44.8224, 0.2928, 0.4322



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

38.7339, 0.3041, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8224, 0.2928, 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(109, 197, 131)` looks like.

```
.text, #text, p{  
    color:rgb(109, 197, 131)  
}
```

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(109, 197, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 197, 131) }
```

Border

The CSS property to change the border of an element to Yxy 44.8224, 0.2928, 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(109, 197, 131) }
```

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

```
.border{ border-color:rgb(109, 197, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 197, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 197, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 197, 131);  
box-shadow:4px 4px 4px 4px rgb(109, 197,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8224, 0.2928, 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(109, 197, 131) }
```

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

```
.background{ background-color: rgb(109,  
197, 131) }
```

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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