

Converting Colors

$Y_{xy}(49.6710, 0.2823, 0.4528)$

Have a look what the booklet for
Yxy(49.6710, 0.2823, 0.4528)
contains.

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Color

Yxy(49.7311, 0.2823, 0.4528)

Conversions

Conversions Part 1

Format	Color
Hex	57D282
RGB	87, 210, 130
RGB Percent	34%, 82%, 51%
CMY	0.6590, 0.1764, 0.4901
CMYK	0.59, 0.00, 0.38, 0.18
HSL	141°, 58%, 58%
HSV	141°, 59%, 82%
XYZ	31.0051, 49.7311, 29.0940
YIQ	164.1030, -47.6280, -50.9560

Conversions

Conversions Part 2

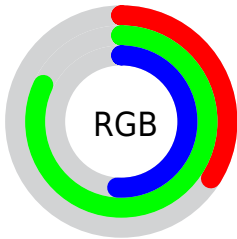
Format	Color
RYB	87, 178, 210
Decimal	5755522
CIELab	75.90, -51.95, 29.64
CIELCh	76, 59.805, 150.294
Yxy	49.7311, 0.2823, 0.4528
Android (android.graphics.Color)	4283945602 (0xFF57D282)
YUV	164.1030, -16.8128, -67.6193
Hunter-Lab	70.5203, -44.9309, 24.9034

Details

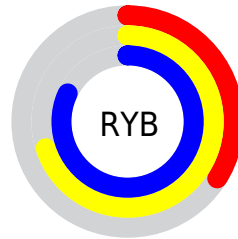
The Yxy color **49.7311, 0.2823, 0.4528** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **23.3004, 0.3720, 0.2346**, and the grayscale version is **37.2718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0917, 0.2880, 0.4150**, and **23.6904, 0.2699, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **48.5229, 0.2805, 0.4781**, and if you desaturate by 10%, it is **51.2859, 0.2856, 0.4278**.

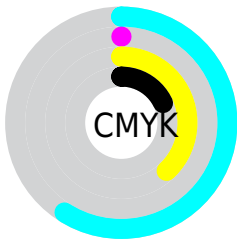
Distribution



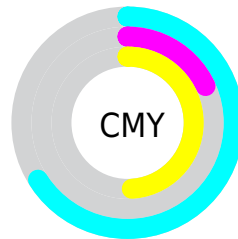
- Red (34%)
- Green (82%)
- Blue (51%)



- Red (34%)
- Yellow (70%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (38%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7311, 0.2823, 0.4528 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 49.7311, 0.2823, 0.4528 by changing the saturation by 10% instead.


 49.7311, 0.2823,
0.4528


 49.7311, 0.2823,
0.4528


385.6134, 0.2997,
0.3873

 35.1998, 0.2772,
0.4702


 89.7763, 0.2891,
0.4282


 23.8168, 0.2703,
0.4931


 116.0590, 0.2915,
0.4192

 15.1978, 0.2603,
0.5244


 147.0277, 0.2935,
0.4117

 8.9583, 0.2450,
0.5695

 183.0666, 0.2952,
0.4053

 4.7140, 0.2193,
0.6381

224.5603, 0.2966,
0.3998

 2.0805, 0.1631,
0.8369

271.8930, 0.2977,

 0.6536, 0.0000,

0.3951

1.0000

325.4493, 0.2988,
0.3909

■ 0.0000, 0.0000,
0.0000

■ 49.7311, 0.2823,
0.4528

■ 49.7311, 0.2823,
0.4528

■ 48.5229, 0.2805,
0.4781

■ 51.2859, 0.2856,
0.4278

■ 47.6271, 0.2804,
0.5027

■ 53.2061, 0.2901,
0.4039

■ 47.0125, 0.2820,
0.5255

■ 55.5163, 0.2954,
0.3817

■ 46.6292, 0.2852,
0.5457

■ 58.2373, 0.3013,
0.3613

■ 46.5840, 0.2856,
0.5483

■ 61.3882, 0.3074,
0.3431

■ 64.9871, 0.3136,
0.3268

■ 69.0508, 0.3197,
0.3125

■ 73.5954, 0.3257,
0.3000

■ 74.4403, 0.3162,
0.2871

Harmonies

Analogous

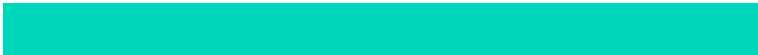
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.7311, 0.3598, 0.4801



49.7311, 0.2823, 0.4528



49.7311, 0.2173, 0.3736

Triad

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



49.7311, 0.2823, 0.4528



49.7311, 0.1985, 0.2084



49.7311, 0.4652, 0.3389

Complementary

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



49.7311, 0.2823, 0.4528



23.3004, 0.3720, 0.2346

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.



49.7311, 0.4103, 0.2831



49.7311, 0.2823, 0.4528



49.7311, 0.2508, 0.2118

Square

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



49.7311, 0.2823, 0.4528



49.7311, 0.1750, 0.2325



49.7311, 0.3278, 0.2383



49.7311, 0.4700, 0.3983

Rectangle

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



49.7311, 0.2823, 0.4528



49.7311, 0.1893, 0.3149



49.7311, 0.3278, 0.2383



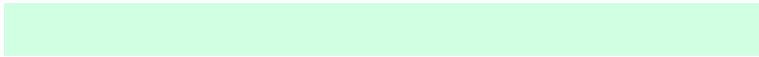
49.7311, 0.4520, 0.3196

Sweetspot

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



49.7331, 0.2823, 0.4528



90.5352, 0.3015, 0.3606



54.9927, 0.3596, 0.4860



19.0962, 0.2997, 0.3663



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.



49.7331, 0.2823, 0.4528



74.9406, 0.2803, 0.4836



51.9064, 0.2495, 0.3554



13.2736, 0.3069, 0.3445



28.4310, 0.2849, 0.5456



1.6046, 0.2743, 0.5076

Inverse Universe

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



23.3004, 0.3720, 0.2346



30.3269, 0.3901, 0.2214



21.5413, 0.4650, 0.3077



11.9358, 0.3191, 0.3140



9.4703, 0.4330, 0.2159



0.5442, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 49.7311, 0.2823, 0.4528 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 49.7311, 0.2823, 0.4528 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 49.7311, 0.2823, 0.4528

Background



This preview shows how black text looks on a background with the Yxy color 49.7311, 0.2823, 0.4528.

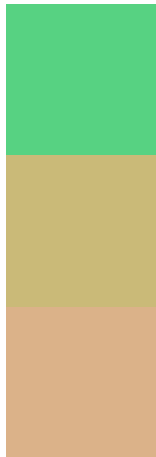


This preview shows how white text looks on a background with the Yxy color 49.7311, 0.2823, 0.4528.

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

49.7311, 0.2823, 0.4528

Protanopia

49.0304, 0.3801, 0.4114

Deuteranopia

48.7070, 0.3855, 0.3781



Tritanopia

49.7112, 0.2454, 0.3070

Trichromacy



Original Color

49.7311, 0.2823, 0.4528



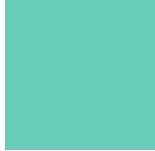
Protanomaly

47.9590, 0.3363, 0.4284



Deuteranomaly

47.2061, 0.3397, 0.4059



Tritanomaly

49.5721, 0.2584, 0.3564

Monochromacy



Original Color

49.7311, 0.2823, 0.4528



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.5490, 0.2975, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7311, 0.2823, 0.4528 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(87, 210, 130)` looks like.

```
.text, #text, p{  
    color:rgb(87, 210, 130)  
}
```

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(87, 210, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 210, 130) }
```

Border

The CSS property to change the border of an element to Yxy 49.7311, 0.2823, 0.4528 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(87, 210, 130) }
```

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

```
.border{ border-color:rgb(87, 210, 130) }
```

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

Here you see how a box with a 4 pixel rgb(87, 210, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 210, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 210, 130);  
box-shadow:4px 4px 4px 4px rgb(87, 210,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7311, 0.2823, 0.4528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 210, 130) }
```

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

```
.background{ background-color: rgb(87, 210,  
130) }
```

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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