

Converting Colors

$Yxy(45.3430, 0.2880, 0.4104)$

Have a look what the booklet for
Yxy(45.3430, 0.2880, 0.4104)
contains.

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Color

Yxy(45.5235, 0.2879, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	72C590
RGB	114, 197, 144
RGB Percent	45%, 77%, 56%
CMY	0.5528, 0.2275, 0.4353
CMYK	0.42, 0.00, 0.27, 0.23
HSL	142°, 42%, 61%
HSV	142°, 42%, 77%
XYZ	31.9430, 45.5235, 33.4852
YIQ	166.1410, -32.4550, -34.0790

Conversions

Conversions Part 2

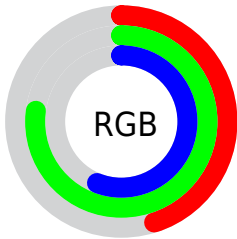
Format	Color
RYB	114, 175, 197
Decimal	7521680
CIELab	73.24, -37.01, 18.86
CIELCh	73, 41.533, 153.000
Yxy	45.5235, 0.2879, 0.4103
Android (android.graphics.Color)	4285711760 (0xFF72C590)
YUV	166.1410, -10.9155, -45.7277
Hunter-Lab	67.4711, -33.5668, 17.8047

Details

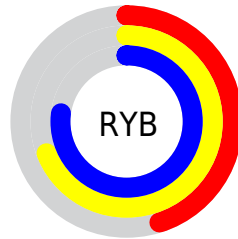
The Yxy color **45.5235, 0.2879, 0.4103** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.7059, 0.3512, 0.2604**, and the grayscale version is **38.2755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3959, 0.2929, 0.3940**, and **21.3650, 0.2791, 0.4384** is the 20% darker color. If you saturate the color by 10%, you get **43.9793, 0.2837, 0.4341**, and if you desaturate by 10%, it is **47.3989, 0.2931, 0.3880**.

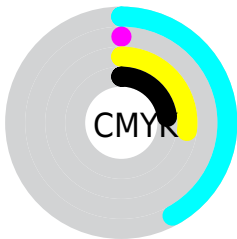
Distribution



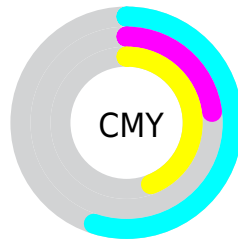
- Red (45%)
- Green (77%)
- Blue (56%)



- Red (45%)
- Yellow (69%)
- Blue (77%)



- Cyan (42%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)





- Cyan (55%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5235, 0.2879, 0.4103 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 45.5235, 0.2879, 0.4103 by changing the saturation by 10% instead.

 45.5235, 0.2879,
0.4103

 45.5235, 0.2879,
0.4103


368.8896, 0.3014,
0.3674


 31.8700, 0.2842,
0.4217


 83.5054, 0.2931,
0.3942

 21.2622, 0.2791,
0.4369


 108.6026, 0.2949,
0.3883

 13.3158, 0.2720,
0.4578


 138.2831, 0.2965,
0.3834

 7.6464, 0.2613,
0.4884

172.9314, 0.2978,
0.3792

 3.8695, 0.2434,
0.5372

212.9318, 0.2989,
0.3756

 1.6008, 0.2067,
0.6763

258.6687, 0.2998,

 0.3582, 0.0000,

0.3725

1.0000

310.5265, 0.3007,
0.3698

0.0000, 0.0000,
0.0000

45.5235, 0.2879,
0.4103

45.5235, 0.2879,
0.4103

43.9793, 0.2837,
0.4341

47.3989, 0.2931,
0.3880

42.7408, 0.2808,
0.4588

49.6180, 0.2989,
0.3674

41.7878, 0.2794,
0.4835


52.1994, 0.3051,
0.3488

41.0951, 0.2799,
0.5073

55.1588, 0.3114,
0.3323


40.6329, 0.2821,
0.5291


58.5109, 0.3177,
0.3176

 40.3883, 0.2846,
0.5446

 62.2696, 0.3238,
0.3047

 66.4482, 0.3298,
0.2935

 67.7655, 0.3228,
0.2817

 68.4118, 0.3154,
0.2722

Harmonies

Analogous

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



45.5235, 0.3451, 0.4354



45.5235, 0.2879, 0.4103



45.5235, 0.2401, 0.3558

Triad

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



45.5235, 0.2879, 0.4103



45.5235, 0.2304, 0.2384



45.5235, 0.4239, 0.3438

Complementary

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



45.5235, 0.2879, 0.4103



26.7059, 0.3512, 0.2604

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.



45.5235, 0.3874, 0.2998



45.5235, 0.2879, 0.4103



45.5235, 0.2727, 0.2417

Square

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



45.5235, 0.2879, 0.4103



45.5235, 0.2098, 0.2567



45.5235, 0.3302, 0.2637



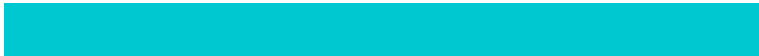
45.5235, 0.4262, 0.3885

Rectangle

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



45.5235, 0.2879, 0.4103



45.5235, 0.2193, 0.3159



45.5235, 0.3302, 0.2637



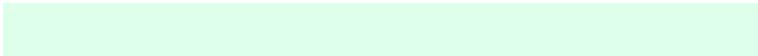
45.5235, 0.4151, 0.3287

Sweetspot

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



45.5254, 0.2879, 0.4103



92.9560, 0.3044, 0.3508



49.4685, 0.3494, 0.4416



19.6658, 0.3030, 0.3548



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.



45.5254, 0.2879, 0.4103



78.8511, 0.2838, 0.4333



46.9960, 0.2630, 0.3469



11.9501, 0.3068, 0.3441



26.5804, 0.2839, 0.5422



1.2724, 0.2718, 0.4985

Inverse Universe

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



26.7059, 0.3512, 0.2604



40.4709, 0.3639, 0.2456



25.4330, 0.4037, 0.3126



10.7491, 0.3192, 0.3143



8.8128, 0.4370, 0.2181



0.4308, 0.4067, 0.2014

Previews

White Background



This preview shows how the Yxy color 45.5235, 0.2879, 0.4103 looks on a white background.

Color Contrast Check

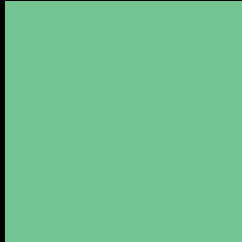
Large Text (above 18pt) WCAG AA × Fail

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 45.5235, 0.2879, 0.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

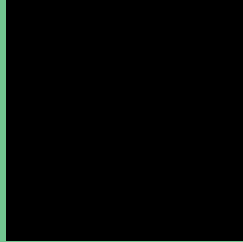
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5235, 0.2879, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 45.5235, 0.2879, 0.4103.

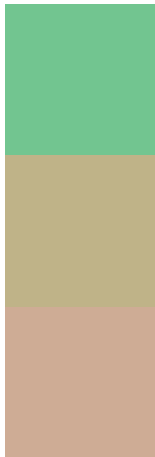


This preview shows how white text looks on a background with the Yxy color 45.5235, 0.2879, 0.4103.

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

45.5235, 0.2879, 0.4103

Protanopia

45.0941, 0.3596, 0.3857

Deuteranopia

44.7968, 0.3647, 0.3581



Tritanopia

45.3440, 0.2581, 0.3080

Trichromacy



Original Color

45.5235, 0.2879, 0.4103



Protanomaly

44.7684, 0.3297, 0.3955



Deuteranomaly

44.0386, 0.3332, 0.3760



Tritanomaly

45.2876, 0.2689, 0.3434

Monochromacy



Original Color

45.5235, 0.2879, 0.4103



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.1159, 0.3020, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5235, 0.2879, 0.4103 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(114, 197, 144)` looks like.

```
.text, #text, p{  
    color:rgb(114, 197, 144)  
}
```

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(114, 197, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 197, 144) }
```

Border

The CSS property to change the border of an element to Yxy 45.5235, 0.2879, 0.4103 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(114, 197, 144) }
```

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

```
.border{ border-color:rgb(114, 197, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 197, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 197, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 197, 144);  
box-shadow:4px 4px 4px 4px rgb(114, 197,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5235, 0.2879, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 197, 144) }
```

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

```
.background{ background-color: rgb(114,  
197, 144) }
```

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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