

Converting Colors

Yxy(46.1230, 0.2837, 0.4149)

Have a look what the booklet for
Yxy(46.1230, 0.2837, 0.4149)
contains.

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Color

Yxy(45.9863, 0.2837, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	6BC790
RGB	107, 199, 144
RGB Percent	42%, 78%, 56%
CMY	0.5804, 0.2196, 0.4353
CMYK	0.46, 0.00, 0.28, 0.22
HSL	144°, 45%, 60%
HSV	144°, 46%, 78%
XYZ	31.5204, 45.9863, 33.5981
YIQ	165.2220, -37.1770, -36.6090

Conversions

Conversions Part 2

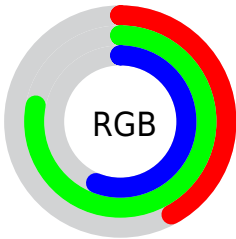
Format	Color
RYB	107, 173, 199
Decimal	7063440
CIELab	73.54, -39.84, 19.22
CIElCh	74, 44.240, 154.244
Yxy	45.9863, 0.2837, 0.4139
Android (android.graphics.Color)	4285253520 (0xFF6BC790)
YUV	165.2220, -10.4624, -51.0607
Hunter-Lab	67.8132, -35.7040, 18.0940

Details

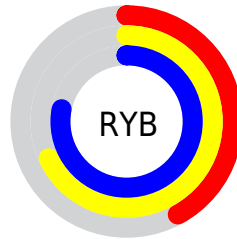
The Yxy color **45.9863, 0.2837, 0.4139** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.2673, 0.3613, 0.2583**, and the grayscale version is **37.8042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3837, 0.2897, 0.3957**, and **21.4149, 0.2737, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **44.5485, 0.2796, 0.4366**, and if you desaturate by 10%, it is **47.7500, 0.2889, 0.3924**.

Distribution



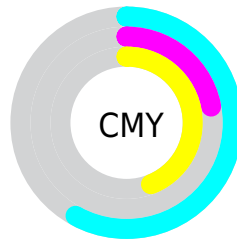
- Red (42%)
- Green (78%)
- Blue (56%)



- Red (42%)
- Yellow (68%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9863, 0.2837, 0.4139 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 45.9863, 0.2837, 0.4139 by changing the saturation by 10% instead.


 45.9863, 0.2837,
0.4139


 45.9863, 0.2837,
0.4139


370.7536, 0.2994,
0.3691

 32.2350, 0.2794,
0.4259


 84.1985, 0.2897,
0.3970


 21.5411, 0.2736,
0.4417


 109.4282, 0.2918,
0.3909

 13.5201, 0.2656,
0.4635


 139.2528, 0.2936,
0.3858

 7.7876, 0.2534,
0.4955

 174.0567, 0.2951,
0.3814

 3.9594, 0.2335,
0.5463

214.2244, 0.2964,
0.3777

 1.6509, 0.1890,
0.6907

260.1402, 0.2975,

 0.3915, 0.0000,

0.3744

1.0000

312.1884, 0.2985,
0.3716

■ 0.0000, 0.0000,
0.0000

■ 45.9863, 0.2837,
0.4139

■ 45.9863, 0.2837,
0.4139

■ 44.5485, 0.2796,
0.4366

■ 47.7500, 0.2889,
0.3924

■ 43.4101, 0.2771,
0.4599

■ 49.8530, 0.2950,
0.3726

■ 42.5494, 0.2763,
0.4831


■ 52.3146, 0.3015,
0.3545

■ 41.9393, 0.2773,
0.5053

■ 55.1512, 0.3084,
0.3382

■ 41.5452, 0.2801,
0.5257

■ 58.3779, 0.3153,
0.3238

 41.4283, 0.2814,
0.5329

 62.0091, 0.3222,
0.3110

 66.0585, 0.3288,
0.2998

 68.3517, 0.3267,
0.2890

 69.0790, 0.3181,
0.2778

Harmonies

Analogous

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



45.9863, 0.3440, 0.4421



45.9863, 0.2837, 0.4139



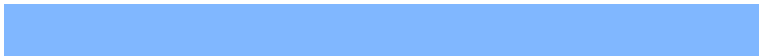
45.9863, 0.2342, 0.3546

Triad

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



45.9863, 0.2837, 0.4139



45.9863, 0.2273, 0.2331



45.9863, 0.4316, 0.3461

Complementary

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



45.9863, 0.2837, 0.4139



25.2673, 0.3613, 0.2583

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.



45.9863, 0.3942, 0.2997



45.9863, 0.2837, 0.4139



45.9863, 0.2725, 0.2377

Square

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



45.9863, 0.2837, 0.4139



45.9863, 0.2047, 0.2510



45.9863, 0.3337, 0.2615



45.9863, 0.4322, 0.3930

Rectangle

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



45.9863, 0.2837, 0.4139



45.9863, 0.2131, 0.3122



45.9863, 0.3337, 0.2615



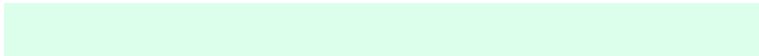
45.9863, 0.4229, 0.3302

Sweetspot

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



45.9882, 0.2837, 0.4139



92.5474, 0.3029, 0.3510



49.6130, 0.3484, 0.4547



19.5889, 0.3014, 0.3547



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.



45.9882, 0.2837, 0.4139



78.0937, 0.2798, 0.4356



47.6838, 0.2566, 0.3421



11.9574, 0.3062, 0.3431



26.6544, 0.2807, 0.5304



1.2763, 0.2688, 0.4876

Inverse Universe

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



25.2673, 0.3613, 0.2583



37.5697, 0.3761, 0.2453



23.9239, 0.4240, 0.3172



10.7416, 0.3198, 0.3153



8.6815, 0.4534, 0.2271



0.4251, 0.4186, 0.2080

Previews

White Background



This preview shows how the Yxy color 45.9863, 0.2837, 0.4139 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 45.9863, 0.2837, 0.4139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

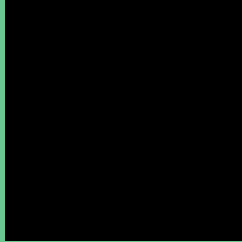
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9863, 0.2837, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 45.9863, 0.2837, 0.4139.

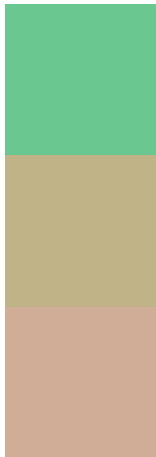


This preview shows how white text looks on a background with the Yxy color 45.9863, 0.2837, 0.4139.

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

45.9863, 0.2837, 0.4139

Protanopia

45.1959, 0.3614, 0.3868

Deuteranopia

45.3545, 0.3645, 0.3579



Tritanopia

45.8554, 0.2538, 0.3080

Trichromacy



Original Color

45.9863, 0.2837, 0.4139



Protanomaly

44.5299, 0.3288, 0.3973



Deuteranomaly

44.2519, 0.3304, 0.3762



Tritanomaly

45.7844, 0.2650, 0.3449

Monochromacy



Original Color

45.9863, 0.2837, 0.4139



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.8079, 0.3002, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9863, 0.2837, 0.4139 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(107, 199, 144)` looks like.

```
.text, #text, p{  
    color:rgb(107, 199, 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(107, 199, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 199, 144) }
```

Border

The CSS property to change the border of an element to Yxy 45.9863, 0.2837, 0.4139 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(107, 199, 144) }
```

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

```
.border{ border-color:rgb(107, 199, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 199, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 199, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 199, 144);  
box-shadow:4px 4px 4px 4px rgb(107, 199,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9863, 0.2837, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 199, 144) }
```

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

```
.background{ background-color: rgb(107,  
199, 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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