

Converting Colors

$Yxy(43.7520, 0.2797, 0.4238)$

Have a look what the booklet for
Yxy(43.7520, 0.2797, 0.4238)
contains.

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Color

Yxy(43.6132, 0.2794, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	5DC489
RGB	93, 196, 137
RGB Percent	36%, 77%, 54%
CMY	0.6355, 0.2313, 0.4626
CMYK	0.53, 0.00, 0.30, 0.23
HSL	146°, 47%, 57%
HSV	146°, 53%, 77%
XYZ	28.7666, 43.6132, 30.5787
YIQ	158.4770, -42.4490, -40.1850

Conversions

Conversions Part 2

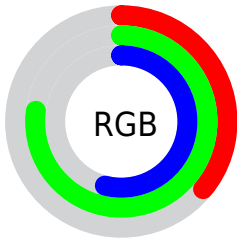
Format	Color
RYB	93, 165, 196
Decimal	6145161
CIELab	71.97, -43.48, 20.70
CIElCh	72, 48.151, 154.542
Yxy	43.6132, 0.2794, 0.4236
Android (android.graphics.Color)	4284335241 (0xFF5DC489)
YUV	158.4770, -10.5882, -57.4233
Hunter-Lab	66.0403, -37.8174, 18.7751

Details

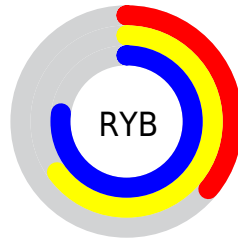
The Yxy color **43.6132, 0.2794, 0.4236** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **21.8202, 0.3745, 0.2527**, and the grayscale version is **34.4790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4962, 0.2864, 0.4036**, and **19.9991, 0.2670, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **42.4152, 0.2760, 0.4457**, and if you desaturate by 10%, it is **45.1103, 0.2842, 0.4024**.

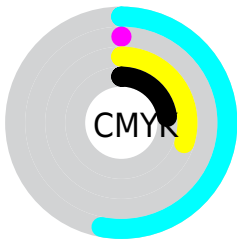
Distribution



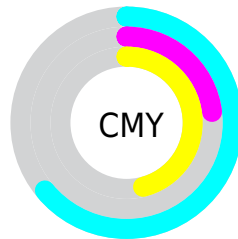
- Red (36%)
- Green (77%)
- Blue (54%)



- Red (36%)
- Yellow (65%)
- Blue (77%)



- Cyan (53%)
- Magenta (0%)
- Yellow (30%)
- Black (23%)





- Cyan (64%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6132, 0.2794, 0.4236 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 43.6132, 0.2794, 0.4236 by changing the saturation by 10% instead.


 43.6132, 0.2794,
0.4236


 43.6132, 0.2794,
0.4236


361.1275, 0.2976,
0.3730


 30.3665, 0.2743,
0.4373


 80.6354, 0.2864,
0.4044

 20.1170, 0.2675,
0.4556


 105.1797, 0.2889,
0.3975

 12.4801, 0.2577,
0.4811


 134.2587, 0.2910,
0.3917

 7.0715, 0.2429,
0.5189

 168.2567, 0.2927,
0.3868

 3.5069, 0.2183,
0.5799

207.5583, 0.2942,
0.3826

 1.4017, 0.1238,
0.8762

252.5476, 0.2955,

 0.2180, 0.0000,

0.3790

1.0000

303.6092, 0.2966,
0.3758

■ 0.0000, 0.0000,
0.0000

■ 43.6132, 0.2794,
0.4236

■ 43.6132, 0.2794,
0.4236

■ 42.4152, 0.2760,
0.4457

■ 45.1103, 0.2842,
0.4024

■ 41.4894, 0.2744,
0.4681

■ 46.9203, 0.2900,
0.3824

■ 40.8132, 0.2746,
0.4900

■ 49.0628, 0.2966,
0.3641

■ 40.3571, 0.2767,
0.5107

■ 51.5539, 0.3036,
0.3475

■ 40.1214, 0.2792,
0.5249

■ 54.4087, 0.3108,
0.3326

■ 57.6416, 0.3181,
0.3194

■ 61.2660, 0.3253,
0.3077

■ 65.2948, 0.3322,
0.2975

■ 66.9157, 0.3278,
0.2871

Harmonies

Analogous

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



43.6132, 0.3456, 0.4549



43.6132, 0.2794, 0.4236



43.6132, 0.2257, 0.3563

Triad

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



43.6132, 0.2794, 0.4236



43.6132, 0.2194, 0.2240



43.6132, 0.4446, 0.3471

Complementary

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



43.6132, 0.2794, 0.4236



21.8202, 0.3745, 0.2527

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.



43.6132, 0.4035, 0.2969



43.6132, 0.2794, 0.4236



43.6132, 0.2688, 0.2295

Square

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



43.6132, 0.2794, 0.4236



43.6132, 0.1948, 0.2426



43.6132, 0.3363, 0.2555



43.6132, 0.4441, 0.3984

Rectangle

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



43.6132, 0.2794, 0.4236



43.6132, 0.2032, 0.3090



43.6132, 0.3363, 0.2555



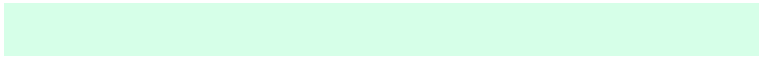
43.6132, 0.4352, 0.3298

Sweetspot

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



43.6150, 0.2794, 0.4236



91.6527, 0.3010, 0.3534



47.0518, 0.3504, 0.4729



19.4147, 0.2995, 0.3568



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.



43.6150, 0.2794, 0.4236



76.5649, 0.2757, 0.4489



45.4139, 0.2502, 0.3416



11.3287, 0.3059, 0.3425



25.7937, 0.2784, 0.5223



1.1283, 0.2659, 0.4774

Inverse Universe

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



21.8202, 0.3745, 0.2527



32.8851, 0.3949, 0.2398



20.5058, 0.4509, 0.3182



10.1723, 0.3202, 0.3159



8.3123, 0.4636, 0.2328



0.3727, 0.4235, 0.2107

Previews

White Background



This preview shows how the Yxy color 43.6132, 0.2794, 0.4236 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 43.6132, 0.2794, 0.4236 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 43.6132, 0.2794, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 43.6132, 0.2794, 0.4236.

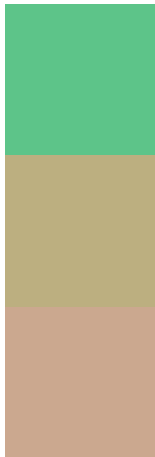


This preview shows how white text looks on a background with the Yxy color 43.6132, 0.2794, 0.4236.

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

43.6132, 0.2794, 0.4236

Protanopia

42.9098, 0.3651, 0.3920

Deuteranopia

42.6849, 0.3688, 0.3611



Tritanopia

43.6577, 0.2486, 0.3074

Trichromacy



Original Color

43.6132, 0.2794, 0.4236



Protanomaly

42.2780, 0.3277, 0.4054



Deuteranomaly

41.5504, 0.3296, 0.3822



Tritanomaly

43.4593, 0.2593, 0.3470

Monochromacy



Original Color

43.6132, 0.2794, 0.4236



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.7754, 0.2972, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6132, 0.2794, 0.4236 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(93, 196, 137)` looks like.

```
.text, #text, p{  
    color:rgb(93, 196, 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(93, 196, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 196, 137) }
```

Border

The CSS property to change the border of an element to Yxy 43.6132, 0.2794, 0.4236 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(93, 196, 137) }
```

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

```
.border{ border-color:rgb(93, 196, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 196, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 196, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 196, 137);  
box-shadow:4px 4px 4px 4px rgb(93, 196,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6132, 0.2794, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 196, 137) }
```

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

```
.background{ background-color: rgb(93, 196,  
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](#).

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