

Converting Colors

$Yxy(45.1644, 0.2838, 0.4249)$

Have a look what the booklet for
Yxy(45.1644, 0.2838, 0.4249)
contains.

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Color

Yxy(44.9610, 0.2843, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	65C689
RGB	101, 198, 137
RGB Percent	40%, 78%, 54%
CMY	0.6039, 0.2235, 0.4628
CMYK	0.49, 0.00, 0.31, 0.22
HSL	142°, 46%, 59%
HSV	142°, 49%, 78%
XYZ	30.0763, 44.9610, 30.7533
YIQ	162.0430, -38.2310, -39.5350

Conversions

Conversions Part 2

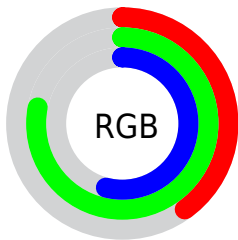
Format	Color
RYB	101, 172, 198
Decimal	6669961
CIELab	72.87, -42.32, 22.00
CIElCh	73, 47.698, 152.539
Yxy	44.9610, 0.2843, 0.4250
Android (android.graphics.Color)	4284860041 (0xFF65C689)
YUV	162.0430, -12.3462, -53.5347
Hunter-Lab	67.0530, -37.2774, 19.7442

Details

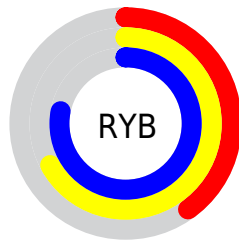
The Yxy color **44.9610, 0.2843, 0.4250** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.9261, 0.3613, 0.2508**, and the grayscale version is **36.2265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4497, 0.2901, 0.4049**, and **20.8253, 0.2735, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **43.6170, 0.2809, 0.4491**, and if you desaturate by 10%, it is **46.6252, 0.2889, 0.4020**.

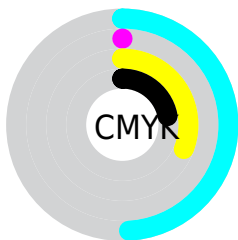
Distribution



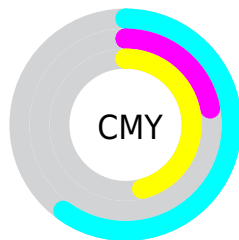
- Red (40%)
- Green (78%)
- Blue (54%)



- Red (40%)
- Yellow (67%)
- Blue (78%)



- Cyan (49%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)





- Cyan (60%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9610, 0.2843, 0.4250 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 44.9610, 0.2843, 0.4250 by changing the saturation by 10% instead.


 44.9610, 0.2843,
0.4250

 44.9610, 0.2843,
0.4250


366.6156, 0.3000,
0.3739


 31.4267, 0.2799,
0.4388


 82.6619, 0.2904,
0.4057

 20.9240, 0.2738,
0.4570


 107.5973, 0.2926,
0.3987

 13.0685, 0.2652,
0.4824


 137.1018, 0.2943,
0.3928

 7.4757, 0.2520,
0.5197

 171.5599, 0.2958,
0.3879

 3.7613, 0.2298,
0.5791

211.3559, 0.2971,
0.3836

 1.5410, 0.1710,
0.8220

256.8743, 0.2982,

 0.3173, 0.0000,

0.3800

1.0000

308.4994, 0.2992,
0.3767

0.0000, 0.0000,
0.0000

44.9610, 0.2843,
0.4250

44.9610, 0.2843,
0.4250

43.6170, 0.2809,
0.4491

46.6252, 0.2889,
0.4020

42.5663, 0.2790,
0.4736

48.6237, 0.2944,
0.3805

41.7864, 0.2788,
0.4975

50.9759, 0.3005,
0.3609


41.2488, 0.2804,
0.5199

53.6986, 0.3069,
0.3432

40.9065, 0.2836,
0.5400

56.8072, 0.3134,
0.3275

 40.8764, 0.2839,
0.5419

 60.3163, 0.3198,
0.3136

 64.2396, 0.3260,
0.3014

 67.7431, 0.3286,
0.2904

 68.4953, 0.3195,
0.2786

Harmonies

Analogous

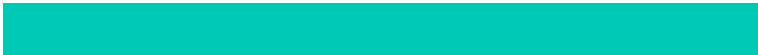
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9610, 0.3495, 0.4527



44.9610, 0.2843, 0.4250



44.9610, 0.2301, 0.3607

Triad

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



44.9610, 0.2843, 0.4250



44.9610, 0.2186, 0.2263



44.9610, 0.4406, 0.3436

Complementary

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



44.9610, 0.2843, 0.4250



23.9261, 0.3613, 0.2508

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.



44.9610, 0.3979, 0.2945



44.9610, 0.2843, 0.4250



44.9610, 0.2657, 0.2301

Square

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



44.9610, 0.2843, 0.4250



44.9610, 0.1961, 0.2463



44.9610, 0.3312, 0.2545



44.9610, 0.4430, 0.3942

Rectangle

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



44.9610, 0.2843, 0.4250



44.9610, 0.2068, 0.3139



44.9610, 0.3312, 0.2545



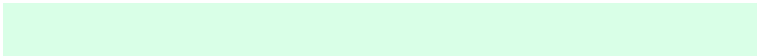
44.9610, 0.4304, 0.3267

Sweetspot

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



44.9628, 0.2843, 0.4250



91.9993, 0.3029, 0.3540



49.0571, 0.3528, 0.4611



19.4779, 0.3015, 0.3579



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.



44.9628, 0.2843, 0.4250



77.0463, 0.2806, 0.4513



46.6630, 0.2559, 0.3479



11.9518, 0.3066, 0.3439



26.5973, 0.2832, 0.5394



1.2733, 0.2711, 0.4960

Inverse Universe

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



23.9261, 0.3613, 0.2508



35.4047, 0.3772, 0.2360



22.5300, 0.4295, 0.3124



10.7473, 0.3193, 0.3146



8.7804, 0.4408, 0.2202



0.4294, 0.4095, 0.2030

Previews

White Background



This preview shows how the Yxy color 44.9610, 0.2843, 0.4250 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 44.9610, 0.2843, 0.4250 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 44.9610, 0.2843, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 44.9610, 0.2843, 0.4250.



This preview shows how white text looks on a background with the Yxy color 44.9610, 0.2843, 0.4250.

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

44.9610, 0.2843, 0.4250

Protanopia

44.4757, 0.3668, 0.3950

Deuteranopia

44.3744, 0.3716, 0.3643



Tritanopia

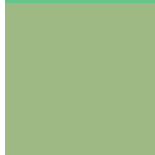
44.6545, 0.2517, 0.3063

Trichromacy



Original Color

44.9610, 0.2843, 0.4250



Protanomaly

43.6057, 0.3317, 0.4069



Deuteranomaly

43.2957, 0.3336, 0.3853



Tritanomaly

44.4393, 0.2634, 0.3467

Monochromacy



Original Color

44.9610, 0.2843, 0.4250



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.5353, 0.3000, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9610, 0.2843, 0.4250 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(101, 198, 137)` looks like.

```
.text, #text, p{  
    color:rgb(101, 198, 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(101, 198, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 198, 137) }
```

Border

The CSS property to change the border of an element to Yxy 44.9610, 0.2843, 0.4250 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(101, 198, 137) }
```

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

```
.border{ border-color:rgb(101, 198, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 198, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 198, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 198, 137); box-shadow:4px 4px 4px 4px rgb(101, 198, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9610, 0.2843, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 198, 137) }
```

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

```
.background{ background-color: rgb(101,  
198, 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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