

Converting Colors

$Yxy(44.7230, 0.2848, 0.4286)$

Have a look what the booklet for
Yxy(44.7230, 0.2848, 0.4286)
contains.

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Color

Yxy(44.8468, 0.2849, 0.4284)

Conversions

Conversions Part 1

Format	Color
Hex	64C687
RGB	100, 198, 135
RGB Percent	39%, 78%, 53%
CMY	0.6078, 0.2235, 0.4705
CMYK	0.49, 0.00, 0.32, 0.22
HSL	141°, 46%, 58%
HSV	141°, 49%, 78%
XYZ	29.8246, 44.8468, 30.0130
YIQ	161.5160, -38.1850, -40.3690

Conversions

Conversions Part 2

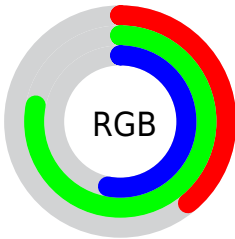
Format	Color
RYB	100, 172, 198
Decimal	6604423
CIELab	72.79, -42.95, 22.93
CIELCh	73, 48.688, 151.907
Yxy	44.8468, 0.2849, 0.4284
Android (android.graphics.Color)	4284794503 (0xFF64C687)
YUV	161.5160, -13.0724, -53.9495
Hunter-Lab	66.9678, -37.6973, 20.3054

Details

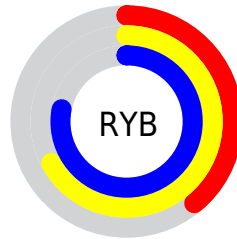
The Yxy color $44.8468, 0.2849, 0.4284$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $23.7663, 0.3603, 0.2485$, and the grayscale version is $35.9714, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.2620, 0.2906, 0.4075$, and $20.7519, 0.2739, 0.4608$ is the 20% darker color. If you saturate the color by 10%, you get $43.5160, 0.2816, 0.4531$, and if you desaturate by 10%, it is $46.4985, 0.2894, 0.4048$.

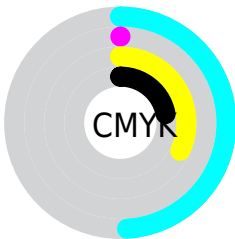
Distribution



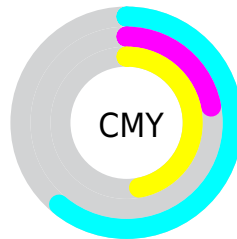
- Red (39%)
- Green (78%)
- Blue (53%)



- Red (39%)
- Yellow (67%)
- Blue (78%)



- Cyan (49%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)





- Cyan (61%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8468, 0.2849, 0.4284 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 44.8468, 0.2849, 0.4284 by changing the saturation by 10% instead.

 44.8468, 0.2849,
0.4284


 44.8468, 0.2849,
0.4284

366.1527, 0.3004,
0.3754


 31.3368, 0.2805,
0.4427


 82.4905, 0.2909,
0.4084


 20.8554, 0.2744,
0.4617


 107.3929, 0.2931,
0.4011

 13.0184, 0.2657,
0.4881


 136.8616, 0.2949,
0.3950

 7.4412, 0.2523,
0.5268

 171.2809, 0.2963,
0.3899

 3.7395, 0.2296,
0.5885

211.0353, 0.2976,
0.3855

 1.5289, 0.1628,
0.8372

256.5092, 0.2987,

 0.3090, 0.0000,

0.3817

1.0000

308.0868, 0.2996,
0.3783

■ 0.0000, 0.0000,
0.0000

■ 44.8468, 0.2849,
0.4284

■ 44.8468, 0.2849,
0.4284

■ 43.5160, 0.2816,
0.4531

■ 46.4985, 0.2894,
0.4048

■ 42.4788, 0.2799,
0.4780

■ 48.4852, 0.2947,
0.3827

■ 41.7124, 0.2799,
0.5022


■ 50.8267, 0.3006,
0.3626


■ 41.1882, 0.2816,
0.5248

■ 53.5397, 0.3068,
0.3444


■ 40.8554, 0.2848,
0.5447


■ 56.6398, 0.3130,
0.3282

 40.8405, 0.2849,
0.5457

 60.1417, 0.3193,
0.3140

 64.0594, 0.3253,
0.3015

 67.7533, 0.3285,
0.2902

 68.5231, 0.3192,
0.2782

Harmonies

Analogous

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



44.8468, 0.3514, 0.4556



44.8468, 0.2849, 0.4284



44.8468, 0.2294, 0.3629

Triad

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



44.8468, 0.2849, 0.4284



44.8468, 0.2161, 0.2245



44.8468, 0.4428, 0.3425

Complementary

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



44.8468, 0.2849, 0.4284



23.7663, 0.3603, 0.2485

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.



44.8468, 0.3985, 0.2928



44.8468, 0.2849, 0.4284



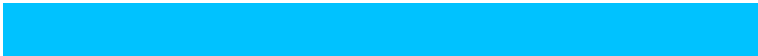
44.8468, 0.2634, 0.2280

Square

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



44.8468, 0.2849, 0.4284



44.8468, 0.1937, 0.2453



44.8468, 0.3300, 0.2524



44.8468, 0.4461, 0.3941

Rectangle

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



44.8468, 0.2849, 0.4284



44.8468, 0.2053, 0.3148



44.8468, 0.3300, 0.2524



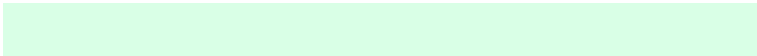
44.8468, 0.4322, 0.3253

Sweetspot

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



44.8486, 0.2849, 0.4284



91.9700, 0.3032, 0.3546



49.1703, 0.3545, 0.4618



19.4709, 0.3019, 0.3585



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.



44.8486, 0.2849, 0.4284



76.9751, 0.2815, 0.4540



46.5303, 0.2564, 0.3506



11.9495, 0.3068, 0.3442



26.5741, 0.2842, 0.5432



1.2721, 0.2721, 0.4995

Inverse Universe

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



23.7663, 0.3603, 0.2485



35.5004, 0.3748, 0.2342



22.3534, 0.4289, 0.3101



10.7498, 0.3191, 0.3143



8.8254, 0.4355, 0.2173



0.4313, 0.4057, 0.2008

Previews

White Background



This preview shows how the Yxy color 44.8468, 0.2849, 0.4284 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 44.8468, 0.2849, 0.4284 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 44.8468, 0.2849, 0.4284

Background



This preview shows how black text looks on a background with the Yxy color 44.8468, 0.2849, 0.4284.



This preview shows how white text looks on a background with the Yxy color 44.8468, 0.2849, 0.4284.

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

44.8468, 0.2849, 0.4284

Protanopia

44.0270, 0.3689, 0.3964

Deuteranopia

43.9379, 0.3738, 0.3656



Tritanopia

44.5849, 0.2511, 0.3063

Trichromacy



Original Color

44.8468, 0.2849, 0.4284



Protanomaly

43.5520, 0.3332, 0.4098



Deuteranomaly

42.8314, 0.3354, 0.3869



Tritanomaly

44.3741, 0.2629, 0.3467

Monochromacy



Original Color

44.8468, 0.2849, 0.4284



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.4159, 0.2999, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8468, 0.2849, 0.4284 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(100, 198, 135)` looks like.

```
.text, #text, p{  
    color:rgb(100, 198, 135)  
}
```

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(100, 198, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 198, 135) }
```

Border

The CSS property to change the border of an element to Yxy 44.8468, 0.2849, 0.4284 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(100, 198, 135) }
```

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

```
.border{ border-color:rgb(100, 198, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 198, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 198, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 198, 135);  
box-shadow:4px 4px 4px 4px rgb(100, 198,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8468, 0.2849, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 198, 135) }
```

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

```
.background{ background-color: rgb(100,  
198, 135) }
```

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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