

Converting Colors

$Yxy(44.2427, 0.2830, 0.4168)$

Have a look what the booklet for
Yxy(44.2427, 0.2830, 0.4168)
contains.

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Color

Yxy(44.2569, 0.2834, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	67C48C
RGB	103, 196, 140
RGB Percent	40%, 77%, 55%
CMY	0.5962, 0.2313, 0.4511
CMYK	0.47, 0.00, 0.29, 0.23
HSL	144°, 44%, 59%
HSV	144°, 47%, 77%
XYZ	30.0633, 44.2569, 31.7606
YIQ	161.8090, -37.4520, -37.1320

Conversions

Conversions Part 2

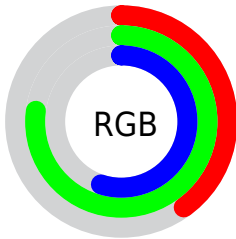
Format	Color
RYB	103, 170, 196
Decimal	6800524
CIELab	72.40, -40.36, 19.77
CIELCh	72, 44.946, 153.899
Yxy	44.2569, 0.2834, 0.4172
Android (android.graphics.Color)	4284990604 (0xFF67C48C)
YUV	161.8090, -10.7518, -51.5755
Hunter-Lab	66.5259, -35.7554, 18.2620

Details

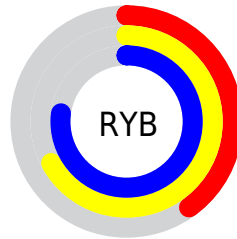
The Yxy color **44.2569, 0.2834, 0.4172** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.9351, 0.3625, 0.2561**, and the grayscale version is **36.0986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5165, 0.2895, 0.3989**, and **20.6421, 0.2725, 0.4465** is the 20% darker color. If you saturate the color by 10%, you get **42.9030, 0.2795, 0.4401**, and if you desaturate by 10%, it is **45.9234, 0.2885, 0.3954**.

Distribution



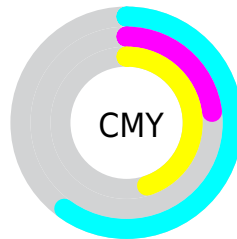
- Red (40%)
- Green (77%)
- Blue (55%)



- Red (40%)
- Yellow (67%)
- Blue (77%)



- Cyan (47%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)





- Cyan (60%)
- Magenta (23%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2569, 0.2834, 0.4172 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 44.2569, 0.2834, 0.4172 by changing the saturation by 10% instead.


 44.2569, 0.2834,
0.4172


 44.2569, 0.2834,
0.4172


363.7556, 0.2994,
0.3703


 30.8725, 0.2789,
0.4298


 81.6042, 0.2895,
0.3995

 20.5018, 0.2729,
0.4466


 106.3359, 0.2917,
0.3930

 12.7603, 0.2644,
0.4700


 135.6188, 0.2936,
0.3876

 7.2637, 0.2515,
0.5044

 169.8373, 0.2951,
0.3831

 3.6276, 0.2300,
0.5597

209.3759, 0.2964,
0.3792

 1.4675, 0.1682,
0.7727

254.6188, 0.2975,

 0.2657, 0.0000,

0.3758

1.0000

305.9506, 0.2985,
0.3729

0.0000, 0.0000,
0.0000

44.2569, 0.2834,
0.4172

44.2569, 0.2834,
0.4172

42.9030, 0.2795,
0.4401

45.9234, 0.2885,
0.3954

41.8359, 0.2772,
0.4636

47.9156, 0.2944,
0.3752

41.0342, 0.2766,
0.4868


50.2523, 0.3008,
0.3568


40.4713, 0.2779,
0.5090

52.9494, 0.3076,
0.3402

40.1095, 0.2809,
0.5292


56.0217, 0.3145,
0.3254

 40.0335, 0.2817,
0.5340

 59.4832, 0.3212,
0.3124

 63.3471, 0.3278,
0.3010

 66.7082, 0.3305,
0.2905

 67.4111, 0.3217,
0.2793

Harmonies

Analogous

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



44.2569, 0.3453, 0.4456



44.2569, 0.2834, 0.4172



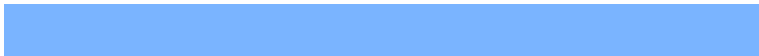
44.2569, 0.2325, 0.3561

Triad

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



44.2569, 0.2834, 0.4172



44.2569, 0.2246, 0.2307



44.2569, 0.4348, 0.3457

Complementary

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



44.2569, 0.2834, 0.4172



23.9351, 0.3625, 0.2561

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.



44.2569, 0.3959, 0.2984



44.2569, 0.2834, 0.4172



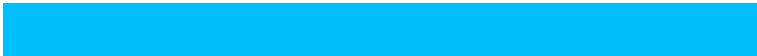
44.2569, 0.2707, 0.2353

Square

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



44.2569, 0.2834, 0.4172



44.2569, 0.2018, 0.2492



44.2569, 0.3334, 0.2594



44.2569, 0.4357, 0.3939

Rectangle

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



44.2569, 0.2834, 0.4172



44.2569, 0.2108, 0.3123



44.2569, 0.3334, 0.2594



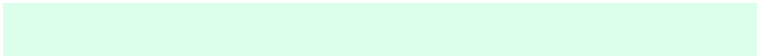
44.2569, 0.4257, 0.3294

Sweetspot

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



44.2587, 0.2834, 0.4172



92.5385, 0.3030, 0.3512



47.9718, 0.3505, 0.4574



19.5868, 0.3015, 0.3549



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.



44.2587, 0.2834, 0.4172



77.6199, 0.2794, 0.4411



45.8752, 0.2564, 0.3449



11.3237, 0.3063, 0.3432



25.7366, 0.2810, 0.5314



1.1256, 0.2682, 0.4854

Inverse Universe

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



23.9351, 0.3625, 0.2561



36.3761, 0.3787, 0.2422



22.6429, 0.4261, 0.3149



10.1775, 0.3197, 0.3152



8.3991, 0.4514, 0.2260



0.3762, 0.4149, 0.2059

Previews

White Background



This preview shows how the Yxy color 44.2569, 0.2834, 0.4172 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 44.2569, 0.2834, 0.4172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

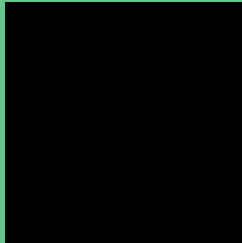
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.2569, 0.2834, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 44.2569, 0.2834, 0.4172.

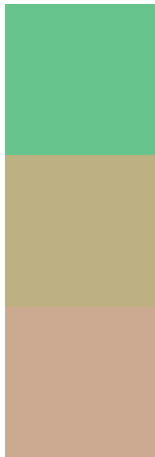


This preview shows how white text looks on a background with the Yxy color 44.2569, 0.2834, 0.4172.

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

44.2569, 0.2834, 0.4172

Protanopia

43.5082, 0.3631, 0.3890

Deuteranopia

43.6621, 0.3663, 0.3596



Tritanopia

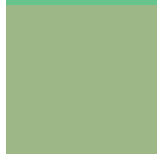
44.2002, 0.2531, 0.3076

Trichromacy



Original Color

44.2569, 0.2834, 0.4172



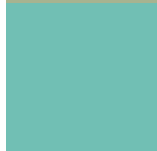
Protanomaly

42.8573, 0.3298, 0.3999



Deuteranomaly

42.4693, 0.3306, 0.3786



Tritanomaly

44.0676, 0.2638, 0.3452

Monochromacy



Original Color

44.2569, 0.2834, 0.4172



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.2679, 0.3000, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2569, 0.2834, 0.4172 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(103, 196, 140)` looks like.

```
.text, #text, p{  
    color:rgb(103, 196, 140)  
}
```

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(103, 196, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 196, 140) }
```

Border

The CSS property to change the border of an element to Yxy 44.2569, 0.2834, 0.4172 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(103, 196, 140) }
```

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

```
.border{ border-color:rgb(103, 196, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 196, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 196, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 196, 140);  
box-shadow:4px 4px 4px 4px rgb(103, 196,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2569, 0.2834, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 196, 140) }
```

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

```
.background{ background-color: rgb(103,  
196, 140) }
```

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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