

Converting Colors

$Yxy(44.0700, 0.2800, 0.4128)$

Have a look what the booklet for
Yxy(44.0700, 0.2800, 0.4128)
contains.

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Color

Yxy(44.1724, 0.2798, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	64C48F
RGB	100, 196, 143
RGB Percent	39%, 77%, 56%
CMY	0.6077, 0.2314, 0.4392
CMYK	0.49, 0.00, 0.27, 0.23
HSL	147°, 45%, 58%
HSV	147°, 49%, 77%
XYZ	29.9550, 44.1724, 32.9312
YIQ	161.2540, -40.2030, -36.8350

Conversions

Conversions Part 2

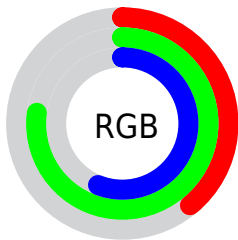
Format	Color
RYB	100, 166, 196
Decimal	6603919
CIELab	72.34, -40.53, 18.07
CIELCh	72, 44.374, 155.974
Yxy	44.1724, 0.2798, 0.4126
Android (android.graphics.Color)	4284793999 (0xFF64C48F)
YUV	161.2540, -8.9992, -53.7198
Hunter-Lab	66.4623, -35.8579, 17.1462

Details

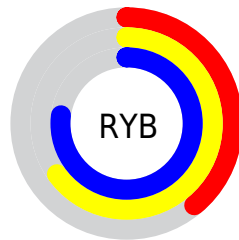
The Yxy color **44.1724, 0.2798, 0.4126** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.1563, 0.3712, 0.2599**, and the grayscale version is **35.8250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3497, 0.2864, 0.3955**, and **20.5901, 0.2689, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **42.8750, 0.2757, 0.4337**, and if you desaturate by 10%, it is **45.7739, 0.2852, 0.3926**.

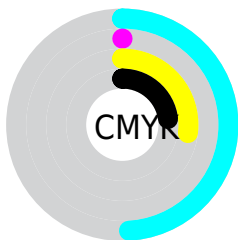
Distribution



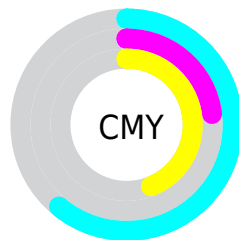
- Red (39%)
- Green (77%)
- Blue (56%)



- Red (39%)
- Yellow (65%)
- Blue (77%)



- Cyan (49%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)




- Cyan (61%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1724, 0.2798, 0.4126 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 44.1724, 0.2798, 0.4126 by changing the saturation by 10% instead.


 44.1724, 0.2798,
0.4126


 44.1724, 0.2798,
0.4126


363.4113, 0.2975,
0.3682

 30.8061, 0.2750,
0.4246


 81.4771, 0.2865,
0.3958

 20.4512, 0.2685,
0.4404


 106.1843, 0.2890,
0.3897

 12.7235, 0.2595,
0.4625

 135.4405, 0.2910,
0.3846

 7.2384, 0.2459,
0.4951

 169.6302, 0.2927,
0.3803

 3.6116, 0.2237,
0.5475

209.1377, 0.2941,
0.3767

 1.4588, 0.1553,
0.7320

254.3475, 0.2954,


 0.2594, 0.0000,


0.3735

1.0000


305.6439, 0.2965,
0.3707


 0.0000, 0.0000,
0.0000


 44.1724, 0.2798,
0.4126

 44.1724, 0.2798,
0.4126

 42.8750, 0.2757,
0.4337

 45.7739, 0.2852,
0.3926


 41.8559, 0.2733,
0.4553


 47.6926, 0.2915,
0.3739


 41.0936, 0.2727,
0.4768


 49.9472, 0.2985,
0.3568

 40.5609, 0.2741,
0.4974

 52.5536, 0.3059,
0.3414


 40.2125, 0.2771,
0.5167

 55.5265, 0.3135,
0.3277

 40.1808, 0.2774,
0.5186

 58.8797, 0.3210,
0.3155

 62.6264, 0.3284,
0.3047

 66.4308, 0.3342,
0.2952

 67.0566, 0.3260,
0.2848

Harmonies

Analogous

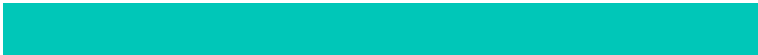
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1724, 0.3408, 0.4436



44.1724, 0.2798, 0.4126



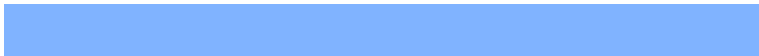
44.1724, 0.2306, 0.3512

Triad

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



44.1724, 0.2798, 0.4126



44.1724, 0.2280, 0.2314



44.1724, 0.4347, 0.3490

Complementary

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



44.1724, 0.2798, 0.4126



23.1563, 0.3712, 0.2599

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.



44.1724, 0.3986, 0.3018



44.1724, 0.2798, 0.4126



44.1724, 0.2751, 0.2373

Square

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



44.1724, 0.2798, 0.4126



44.1724, 0.2038, 0.2481



44.1724, 0.3378, 0.2624



44.1724, 0.4330, 0.3964

Rectangle

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



44.1724, 0.2798, 0.4126



44.1724, 0.2103, 0.3084



44.1724, 0.3378, 0.2624



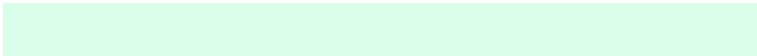
44.1724, 0.4265, 0.3328

Sweetspot

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



44.1742, 0.2798, 0.4126



92.1667, 0.3013, 0.3509



47.3115, 0.3472, 0.4635



19.5181, 0.2997, 0.3543



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.



44.1742, 0.2798, 0.4126



77.4711, 0.2754, 0.4357



45.8915, 0.2524, 0.3382



11.3321, 0.3056, 0.3420



25.8345, 0.2767, 0.5161



1.1301, 0.2645, 0.4720

Inverse Universe

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



23.1563, 0.3712, 0.2599



34.8872, 0.3911, 0.2468



21.9048, 0.4388, 0.3209



10.1689, 0.3205, 0.3164



8.2574, 0.4719, 0.2373



0.3705, 0.4294, 0.2139

Previews

White Background



This preview shows how the Yxy color 44.1724, 0.2798, 0.4126 looks on a white background.

Color Contrast Check

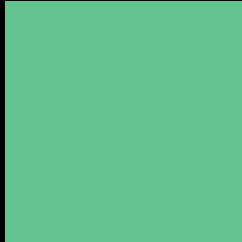
Large Text (above 18pt) WCAG AA × Fail

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 44.1724, 0.2798, 0.4126 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 44.1724, 0.2798, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 44.1724, 0.2798, 0.4126.

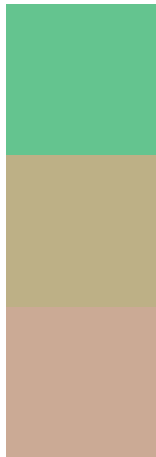


This preview shows how white text looks on a background with the Yxy color 44.1724, 0.2798, 0.4126.

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

44.1724, 0.2798, 0.4126

Protanopia

43.5907, 0.3605, 0.3850

Deuteranopia

43.6159, 0.3625, 0.3559



Tritanopia

43.9912, 0.2514, 0.3075

Trichromacy



Original Color

44.1724, 0.2798, 0.4126



Protanomaly

42.8412, 0.3265, 0.3957



Deuteranomaly

42.4538, 0.3272, 0.3743



Tritanomaly

43.9128, 0.2615, 0.3438

Monochromacy



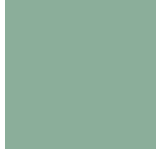
Original Color

44.1724, 0.2798, 0.4126



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.0942, 0.2984, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1724, 0.2798, 0.4126 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, 196, 143)` looks like.

```
.text, #text, p{  
    color:rgb(100, 196, 143)  
}
```

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, 196, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 196, 143) }
```

Border

The CSS property to change the border of an element to Yxy 44.1724, 0.2798, 0.4126 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, 196, 143) }
```

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

```
.border{ border-color:rgb(100, 196, 143) }
```

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

Here you see how a box with a 4 pixel rgb(100, 196, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 196, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 196, 143);  
box-shadow:4px 4px 4px 4px rgb(100, 196,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1724, 0.2798, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 196, 143) }
```

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

```
.background{ background-color: rgb(100,  
196, 143) }
```

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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