

Converting Colors

$Y_{xy}(44.0248, 0.2779, 0.4190)$

Have a look what the booklet for
Yxy(44.0248, 0.2779, 0.4190)
contains.

| | |
|--|----|
| Yxy(44.1531, 0.2778, 0.4199) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(44.1531, 0.2778, 0.4199)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5DC58C |
| RGB | 93, 197, 140 |
| RGB Percent | 36%, 77%, 55% |
| CMY | 0.6354, 0.2274, 0.4510 |
| CMYK | 0.53, 0.00, 0.29, 0.23 |
| HSL | 147°, 47%, 57% |
| HSV | 147°, 53%, 77% |
| XYZ | 29.2111, 44.1531, 31.7873 |
| YIQ | 159.4060, -43.6870, -39.7750 |

Conversions

Conversions Part 2

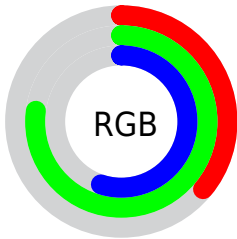
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 93, 165, 197 |
| Decimal | 6145420 |
| CIELab | 72.33, -43.31, 19.62 |
| CIElCh | 72, 47.550, 155.633 |
| Yxy | 44.1531, 0.2778, 0.4199 |
| Android (android.graphics.Color) | 4284335500 (0xFF5DC58C) |
| YUV | 159.4060, -9.5672, -58.2381 |
| Hunter-Lab | 66.4478, -37.8134, 18.1503 |

Details

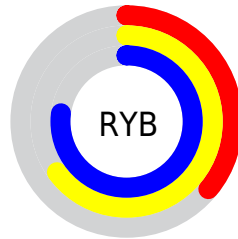
The Yxy color **44.1531, 0.2778, 0.4199** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **21.8977, 0.3785, 0.2555**, and the grayscale version is **34.9237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2627, 0.2849, 0.4009**, and **20.3454, 0.2652, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **42.9532, 0.2743, 0.4411**, and if you desaturate by 10%, it is **45.6526, 0.2827, 0.3996**.

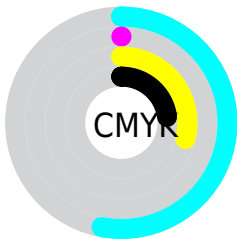
Distribution



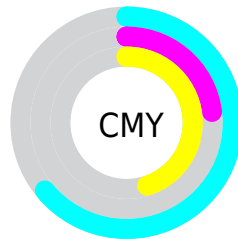
- Red (36%)
- Green (77%)
- Blue (55%)



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



- Cyan (53%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)





- Cyan (64%)
- Magenta (23%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1531, 0.2778, 0.4199 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 44.1531, 0.2778, 0.4199 by changing the saturation by 10% instead.


 44.1531, 0.2778,
0.4199


 44.1531, 0.2778,
0.4199


363.3327, 0.2967,
0.3715

 30.7909, 0.2726,
0.4330


 81.4481, 0.2850,
0.4016

 20.4397, 0.2656,
0.4504


 106.1496, 0.2876,
0.3949

 12.7150, 0.2558,
0.4746

 135.3997, 0.2898,
0.3894

 7.2326, 0.2411,
0.5105

 169.5828, 0.2916,
0.3847

 3.6080, 0.2169,
0.5681

209.0833, 0.2931,
0.3807

 1.4568, 0.1325,
0.8041

254.2855, 0.2945,

 0.2580, 0.0000,

0.3772

1.0000

305.5738, 0.2956,
0.3741

■ 0.0000, 0.0000,
0.0000

■ 44.1531, 0.2778,
0.4199

■ 44.1531, 0.2778,
0.4199

■ 42.9532, 0.2743,
0.4411

■ 45.6526, 0.2827,
0.3996

■ 42.0258, 0.2725,
0.4626

■ 47.4658, 0.2888,
0.3805

■ 41.3479, 0.2727,
0.4837

■ 49.6121, 0.2957,
0.3629

■ 40.8899, 0.2747,
0.5038

■ 52.1080, 0.3030,
0.3470

■ 40.6577, 0.2770,
0.5174

■ 54.9686, 0.3106,
0.3327

■ 58.2085, 0.3182,
0.3200

■ 61.8410, 0.3257,
0.3088

■ 65.8791, 0.3330,
0.2990

■ 67.3205, 0.3283,
0.2889

Harmonies

Analogous

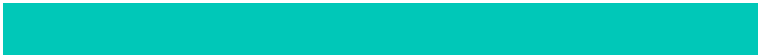
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1531, 0.3428, 0.4524



44.1531, 0.2778, 0.4199



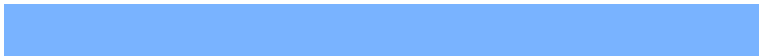
44.1531, 0.2255, 0.3533

Triad

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



44.1531, 0.2778, 0.4199



44.1531, 0.2222, 0.2253



44.1531, 0.4432, 0.3489

Complementary

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



44.1531, 0.2778, 0.4199



21.8977, 0.3785, 0.2555

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.



44.1531, 0.4041, 0.2992



44.1531, 0.2778, 0.4199



44.1531, 0.2717, 0.2315

Square

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



44.1531, 0.2778, 0.4199



44.1531, 0.1969, 0.2428



44.1531, 0.3385, 0.2578



44.1531, 0.4413, 0.3993

Rectangle

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



44.1531, 0.2778, 0.4199



44.1531, 0.2040, 0.3071



44.1531, 0.3385, 0.2578



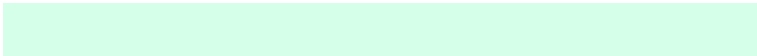
44.1531, 0.4344, 0.3318

Sweetspot

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



44.1549, 0.2778, 0.4199



91.7087, 0.3004, 0.3523



47.2283, 0.3475, 0.4750



19.4280, 0.2989, 0.3556



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.



44.1549, 0.2778, 0.4199



76.7062, 0.2740, 0.4436



46.0591, 0.2482, 0.3365



11.9662, 0.3056, 0.3419



26.7565, 0.2764, 0.5150



1.2815, 0.2650, 0.4741

Inverse Universe

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



21.8977, 0.3785, 0.2555



32.7220, 0.3999, 0.2434



20.5809, 0.4572, 0.3227



10.7326, 0.3205, 0.3164



8.5366, 0.4738, 0.2384



0.4187, 0.4335, 0.2162

Previews

White Background



This preview shows how the Yxy color 44.1531, 0.2778, 0.4199 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 44.1531, 0.2778, 0.4199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

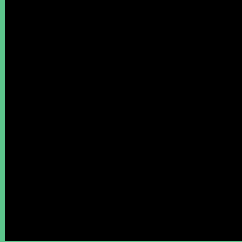
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1531, 0.2778, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 44.1531, 0.2778, 0.4199.



This preview shows how white text looks on a background with the Yxy color 44.1531, 0.2778, 0.4199.

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

44.1531, 0.2778, 0.4199

Protanopia

43.4812, 0.3639, 0.3903

Deuteranopia

43.2886, 0.3666, 0.3584



Tritanopia

44.1343, 0.2484, 0.3074

Trichromacy



Original Color

44.1531, 0.2778, 0.4199



Protanomaly

42.8722, 0.3261, 0.4020



Deuteranomaly

42.1463, 0.3279, 0.3790



Tritanomaly

43.9785, 0.2583, 0.3453

Monochromacy



Original Color

44.1531, 0.2778, 0.4199



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.3050, 0.2965, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1531, 0.2778, 0.4199 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, 197, 140)` looks like.

```
.text, #text, p{  
    color:rgb(93, 197, 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(93, 197, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 197, 140) }
```

Border

The CSS property to change the border of an element to Yxy 44.1531, 0.2778, 0.4199 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, 197, 140) }
```

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

```
.border{ border-color:rgb(93, 197, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 197, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 197, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 197, 140);  
box-shadow:4px 4px 4px 4px rgb(93, 197,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1531, 0.2778, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 197, 140) }
```

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

```
.background{ background-color: rgb(93, 197,  
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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