

Converting Colors

$Y_{xy}(59.3280, 0.2735, 0.4419)$

Have a look what the booklet for
Yxy(59.3280, 0.2735, 0.4419)
contains.

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Color

Yxy(59.5278, 0.2732, 0.4418)

Conversions

Conversions Part 1

Format	Color
Hex	53E496
RGB	83, 228, 150
RGB Percent	33%, 89%, 59%
CMY	0.6748, 0.1058, 0.4118
CMYK	0.64, 0.00, 0.34, 0.11
HSL	148°, 73%, 61%
HSV	148°, 64%, 89%
XYZ	36.8108, 59.5278, 38.4007
YIQ	175.7530, -61.3820, -54.9980

Conversions

Conversions Part 2

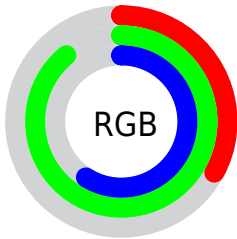
Format	Color
RYB	83, 182, 228
Decimal	5498006
CIELab	81.58, -56.15, 26.94
CIElCh	82, 62.276, 154.370
Yxy	59.5278, 0.2732, 0.4418
Android (android.graphics.Color)	4283688086 (0xFF53E496)
YUV	175.7530, -12.6962, -81.3444
Hunter-Lab	77.1543, -49.8565, 24.4986

Details

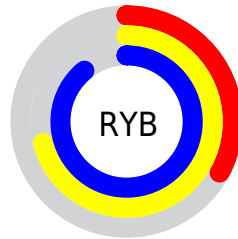
The Yxy color **59.5278, 0.2732, 0.4418** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **25.2437, 0.4025, 0.2448**, and the grayscale version is **43.3638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0388, 0.2777, 0.3885**, and **30.0267, 0.2646, 0.4724** is the 20% darker color. If you saturate the color by 10%, you get **58.2844, 0.2716, 0.4631**, and if you desaturate by 10%, it is **61.1581, 0.2766, 0.4208**.

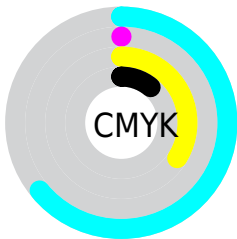
Distribution



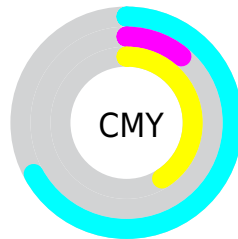
- Red (33%)
- Green (89%)
- Blue (59%)



- Red (33%)
- Yellow (71%)
- Blue (89%)



- Cyan (64%)
- Magenta (0%)
- Yellow (34%)
- Black (11%)




- Cyan (67%)
- Magenta (11%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5278, 0.2732, 0.4418 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 59.5278, 0.2732, 0.4418 by changing the saturation by 10% instead.


 59.5278, 0.2732,
0.4418


 59.5278, 0.2732,
0.4418


422.8551, 0.2940,
0.3839


 43.0381, 0.2677,
0.4566


 104.1444, 0.2810,
0.4205

 29.9150, 0.2605,
0.4757


 133.0401, 0.2839,
0.4126

 19.7741, 0.2506,
0.5013


 166.8399, 0.2863,
0.4059

 12.2310, 0.2365,
0.5372

 205.9283, 0.2883,
0.4002

 6.9012, 0.2149,
0.5903

250.6896, 0.2900,
0.3953

 3.4004, 0.1796,
0.6774

301.5083, 0.2915,

 1.3442, 0.0000,

0.3910

1.0000

358.7686, 0.2929,
0.3873

■ 0.1750, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5278, 0.2732,
0.4418

■ 59.5278, 0.2732,
0.4418

■ 58.2844, 0.2716,
0.4631

■ 61.1581, 0.2766,
0.4208

■ 57.3846, 0.2720,
0.4840


■ 63.1995, 0.2815,
0.4005

■ 56.7870, 0.2744,
0.5037


■ 65.6825, 0.2876,
0.3815


■ 56.5204, 0.2766,
0.5156


■ 68.6324, 0.2946,
0.3640

 72.0729, 0.3021,
0.3481

 76.0258, 0.3099,
0.3338

 80.5117, 0.3177,
0.3211

 83.5350, 0.3184,
0.3094

 83.9723, 0.3139,
0.3029

Harmonies

Analogous

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



59.5278, 0.3490, 0.4771



59.5278, 0.2732, 0.4418



59.5278, 0.2123, 0.3607

Triad

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



59.5278, 0.2732, 0.4418



59.5278, 0.2058, 0.2093



59.5278, 0.4661, 0.3470

Complementary

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



59.5278, 0.2732, 0.4418



25.2437, 0.4025, 0.2448

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.



59.5278, 0.4181, 0.2910



59.5278, 0.2732, 0.4418



59.5278, 0.2611, 0.2159

Square

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



59.5278, 0.2732, 0.4418



59.5278, 0.1786, 0.2292



59.5278, 0.3389, 0.2448



59.5278, 0.4641, 0.4053

Rectangle

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



59.5278, 0.2732, 0.4418



59.5278, 0.1874, 0.3046



59.5278, 0.3389, 0.2448



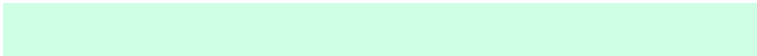
59.5278, 0.4553, 0.3277

Sweetspot

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



59.5302, 0.2732, 0.4418



90.3748, 0.2979, 0.3566



63.8735, 0.3509, 0.5054



19.0785, 0.2958, 0.3613



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.



59.5302, 0.2732, 0.4418



74.7457, 0.2715, 0.4691



62.5359, 0.2398, 0.3383



16.1995, 0.3053, 0.3419



32.6571, 0.2758, 0.5128



2.4318, 0.2680, 0.4848

Inverse Universe

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



25.2437, 0.4025, 0.2448



27.3508, 0.4305, 0.2367



23.4137, 0.5085, 0.3223



14.4970, 0.3209, 0.3164



10.3686, 0.4795, 0.2415



0.7849, 0.4500, 0.2252

Previews

White Background



This preview shows how the Yxy color 59.5278, 0.2732, 0.4418 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 59.5278, 0.2732, 0.4418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

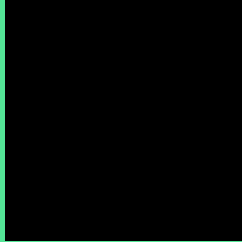
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.5278, 0.2732, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 59.5278, 0.2732, 0.4418.



This preview shows how white text looks on a background with the Yxy color 59.5278, 0.2732, 0.4418.

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

59.5278, 0.2732, 0.4418

Protanopia

58.3600, 0.3733, 0.4027

Deuteranopia

58.2707, 0.3760, 0.3683



Tritanopia

59.0034, 0.2403, 0.3059

Trichromacy



Original Color

59.5278, 0.2732, 0.4418



Protanomaly

56.8664, 0.3273, 0.4199



Deuteranomaly

56.2125, 0.3287, 0.3947



Tritanomaly

58.8392, 0.2519, 0.3519

Monochromacy



Original Color

59.5278, 0.2732, 0.4418



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.5710, 0.2919, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5278, 0.2732, 0.4418 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(83, 228, 150)` looks like.

```
.text, #text, p{  
    color:rgb(83, 228, 150)  
}
```

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(83, 228, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 228, 150) }
```

Border

The CSS property to change the border of an element to Yxy 59.5278, 0.2732, 0.4418 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(83, 228, 150) }
```

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

```
.border{ border-color:rgb(83, 228, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 228, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 228, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 228, 150);  
box-shadow:4px 4px 4px 4px rgb(83, 228,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5278, 0.2732, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 228, 150) }
```

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

```
.background{ background-color: rgb(83, 228,  
150) }
```

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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