

Converting Colors

$Y_{xy}(59.3823, 0.2942, 0.4234)$

Have a look what the booklet for
Yxy(59.3823, 0.2942, 0.4234)
contains.

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Color

Yxy(59.3678, 0.2945, 0.4240)

Conversions

Conversions Part 1

Format	Color
Hex	83DE99
RGB	131, 222, 153
RGB Percent	51%, 87%, 60%
CMY	0.4861, 0.1294, 0.4001
CMYK	0.41, 0.00, 0.31, 0.13
HSL	134°, 58%, 69%
HSV	134°, 41%, 87%
XYZ	41.2354, 59.3678, 39.4152
YIQ	186.9250, -32.0870, -40.7510

Conversions

Conversions Part 2

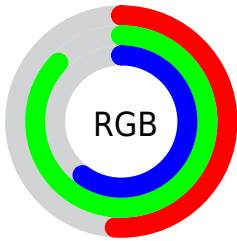
Format	Color
RYB	131, 204, 222
Decimal	8642201
CIELab	81.49, -41.72, 25.55
CIELCh	81, 48.921, 148.510
Yxy	59.3678, 0.2945, 0.4240
Android (android.graphics.Color)	4286832281 (0xFF83DE99)
YUV	186.9250, -16.7250, -49.0462
Hunter-Lab	77.0505, -39.3098, 23.6056

Details

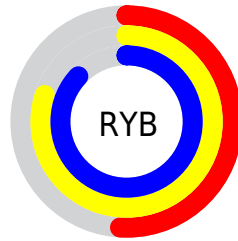
The Yxy color **59.3678, 0.2945, 0.4240** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.9481, 0.3388, 0.2502**, and the grayscale version is **49.7657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6389, 0.2978, 0.3815**, and **29.7485, 0.2884, 0.4523** is the 20% darker color. If you saturate the color by 10%, you get **57.2648, 0.2912, 0.4524**, and if you desaturate by 10%, it is **61.9341, 0.2985, 0.3972**.

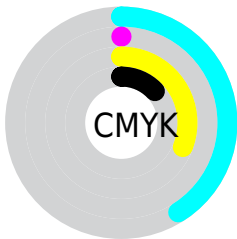
Distribution



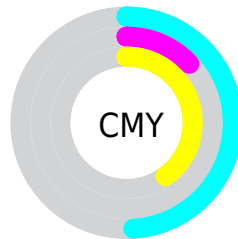
- Red (51%)
- Green (87%)
- Blue (60%)



- Red (51%)
- Yellow (80%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (31%)
- Black (13%)




- Cyan (49%)
- Magenta (13%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3678, 0.2945, 0.4240 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 59.3678, 0.2945, 0.4240 by changing the saturation by 10% instead.


 59.3678, 0.2945,
0.4240


 59.3678, 0.2945,
0.4240


422.2636, 0.3047,
0.3758


 42.9093, 0.2917,
0.4362


 103.9120, 0.2984,
0.4063

 29.8139, 0.2878,
0.4519


 132.7665, 0.2998,
0.3998

 19.6974, 0.2825,
0.4728


 166.5218, 0.3010,
0.3942

 12.1753, 0.2745,
0.5020

205.5622, 0.3020,
0.3894

 6.8632, 0.2616,
0.5452

250.2722, 0.3028,
0.3853

 3.3767, 0.2386,
0.6149

301.0362, 0.3035,

 1.3314, 0.1254,

0.3817

0.8746

358.2385, 0.3041,
0.3786

■ 0.1653, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3678, 0.2945,
0.4240

■ 59.3678, 0.2945,
0.4240

■ 57.2648, 0.2912,
0.4524

■ 61.9341, 0.2985,
0.3972

■ 55.5900, 0.2890,
0.4814


■ 64.9816, 0.3029,
0.3726

■ 54.3150, 0.2880,
0.5097


■ 68.5364, 0.3076,
0.3504

■ 53.4047, 0.2885,
0.5358

■ 72.6204, 0.3123,
0.3308

 52.8176, 0.2904,
0.5581

 77.2542, 0.3168,
0.3135

 52.5037, 0.2928,
0.5742

 80.6611, 0.3148,
0.2979

 80.7217, 0.3142,
0.2970

Harmonies

Analogous

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



59.3678, 0.3559, 0.4445



59.3678, 0.2945, 0.4240



59.3678, 0.2411, 0.3676

Triad

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



59.3678, 0.2945, 0.4240



59.3678, 0.2198, 0.2334



59.3678, 0.4289, 0.3369

Complementary

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



59.3678, 0.2945, 0.4240



35.9481, 0.3388, 0.2502

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.



59.3678, 0.3849, 0.2910



59.3678, 0.2945, 0.4240



59.3678, 0.2616, 0.2340

Square

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



59.3678, 0.2945, 0.4240



59.3678, 0.2017, 0.2561



59.3678, 0.3215, 0.2546



59.3678, 0.4368, 0.3850

Rectangle

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



59.3678, 0.2945, 0.4240



59.3678, 0.2167, 0.3238



59.3678, 0.3215, 0.2546



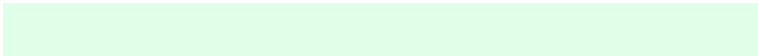
59.3678, 0.4177, 0.3210

Sweetspot

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



59.3703, 0.2945, 0.4240



93.2450, 0.3071, 0.3528



66.2683, 0.3570, 0.4362



19.8147, 0.3064, 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.



59.3703, 0.2945, 0.4240



78.8144, 0.2917, 0.4478



61.1363, 0.2694, 0.3608



15.3912, 0.3083, 0.3473



31.2014, 0.2922, 0.5719



2.1767, 0.2839, 0.5422

Inverse Universe

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



35.9481, 0.3388, 0.2502



42.6674, 0.3460, 0.2350



34.1518, 0.3885, 0.3002



13.8762, 0.3174, 0.3114



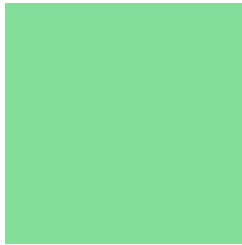
10.9320, 0.3929, 0.1938



0.7715, 0.3794, 0.1864

Previews

White Background



This preview shows how the Yxy color 59.3678, 0.2945, 0.4240 looks on a white background.

Color Contrast Check

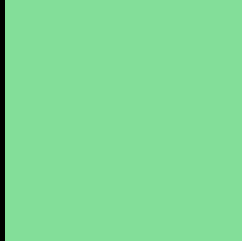
Large Text (above 18pt) WCAG AA × Fail

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 59.3678, 0.2945, 0.4240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

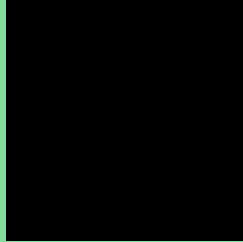
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3678, 0.2945, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 59.3678, 0.2945, 0.4240.



This preview shows how white text looks on a background with the Yxy color 59.3678, 0.2945, 0.4240.

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
59.3678, 0.2945, 0.4240
Protanopia
58.5386, 0.3688, 0.3958
Deuteranopia
58.3053, 0.3752, 0.3671



Tritanopia

59.0400, 0.2601, 0.3078

Trichromacy



Original Color

59.3678, 0.2945, 0.4240



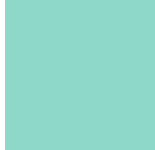
Protanomaly

58.1466, 0.3385, 0.4073



Deuteranomaly

57.4904, 0.3414, 0.3871



Tritanomaly

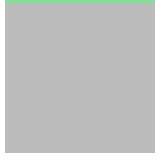
59.0796, 0.2728, 0.3484

Monochromacy



Original Color

59.3678, 0.2945, 0.4240



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.6192, 0.3050, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3678, 0.2945, 0.4240 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(131, 222, 153)` looks like.

```
.text, #text, p{  
    color:rgb(131, 222, 153)  
}
```

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(131, 222, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 222, 153) }
```

Border

The CSS property to change the border of an element to Yxy 59.3678, 0.2945, 0.4240 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(131, 222, 153) }
```

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

```
.border{ border-color:rgb(131, 222, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 222, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 222, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 222, 153);  
box-shadow:4px 4px 4px 4px rgb(131, 222,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3678, 0.2945, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 222, 153) }
```

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

```
.background{ background-color: rgb(131,  
222, 153) }
```

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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