

Converting Colors

$Y_{xy}(60.4197, 0.2600, 0.4364)$

Have a look what the booklet for
Yxy(60.4197, 0.2600, 0.4364)
contains.

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Color

Yxy(60.2248, 0.2599, 0.4357)

Conversions

Conversions Part 1

Format	Color
Hex	2FE79E
RGB	47, 231, 158
RGB Percent	18%, 91%, 62%
CMY	0.8150, 0.0941, 0.3804
CMYK	0.80, 0.00, 0.32, 0.09
HSL	156°, 79%, 55%
HSV	156°, 80%, 91%
XYZ	35.9248, 60.2248, 42.0758
YIQ	167.6620, -86.2310, -61.7110

Conversions

Conversions Part 2

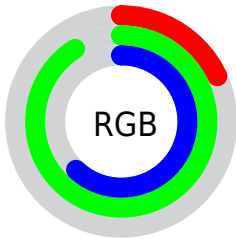
Format	Color
RYB	47, 162, 231
Decimal	3139486
CIELab	81.96, -60.73, 23.22
CIELCh	82, 65.019, 159.075
Yxy	60.2248, 0.2599, 0.4357
Android (android.graphics.Color)	4281329566 (0xFF2FE79E)
YUV	167.6620, -4.7634, -105.8206
Hunter-Lab	77.6046, -53.1768, 22.1773




Details

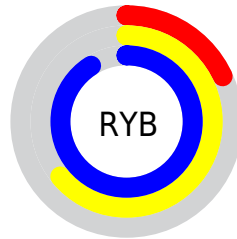
The Yxy color **60.2248, 0.2599, 0.4357** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **20.3951, 0.4819, 0.2629**, and the grayscale version is **39.0634, 0.3127, 0.3290**.




A 20% lighter version of the original color is **80.5351, 0.2638, 0.3798**, and **31.3127, 0.2616, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **59.5097, 0.2605, 0.4511**, and if you desaturate by 10%, it is **61.2587, 0.2613, 0.4201**.

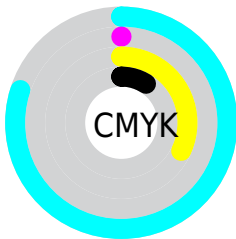
Distribution







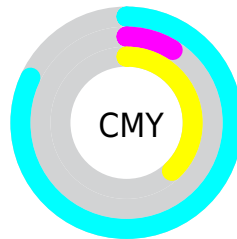
-  Red (18%)
-  Green (91%)
-  Blue (62%)






-  Red (18%)
-  Yellow (64%)
-  Blue (91%)



-  Cyan (80%)
-  Magenta (0%)
-  Yellow (32%)
-  Black (9%)





-  Cyan (82%)
-  Magenta (9%)
-  Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2248, 0.2599, 0.4357 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 60.2248, 0.2599, 0.4357 by changing the saturation by 10% instead.


 60.2248, 0.2599,
0.4357


 60.2248, 0.2599,
0.4357


425.4259, 0.2868,
0.3812

 43.5999, 0.2531,
0.4496

 105.1557, 0.2697,
0.4157

 30.3561, 0.2443,
0.4675


 134.2304, 0.2734,
0.4082

 20.1090, 0.2327,
0.4915


 168.2239, 0.2765,
0.4019

 12.4743, 0.2164,
0.5250

 207.5205, 0.2792,
0.3966

 7.0676, 0.1924,
0.5748

 252.5046, 0.2815,
0.3919

 3.5044, 0.1546,
0.6541

303.5606, 0.2835,

 1.4004, 0.0000,

0.3879

1.0000

361.0729, 0.2852,
0.3843

■ 0.2170, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.2248, 0.2599,
0.4357

■ 60.2248, 0.2599,
0.4357

■ 59.5097, 0.2605,
0.4511

■ 61.2587, 0.2613,
0.4201


■ 59.0398, 0.2629,
0.4662


■ 62.6449, 0.2648,
0.4046


■ 59.0223, 0.2630,
0.4668


■ 64.4200, 0.2701,
0.3896

■ 66.6143, 0.2769,
0.3754

 69.2547, 0.2849,
0.3621

 72.3660, 0.2938,
0.3498

 75.9711, 0.3033,
0.3386

 80.0914, 0.3131,
0.3286

 84.7347, 0.3230,
0.3197

Harmonies

Analogous

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



60.2248, 0.3372, 0.4819



60.2248, 0.2599, 0.4357



60.2248, 0.2013, 0.3474

Triad

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



60.2248, 0.2599, 0.4357



60.2248, 0.2091, 0.2048



60.2248, 0.4752, 0.3563

Complementary

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



60.2248, 0.2599, 0.4357



20.3951, 0.4819, 0.2629

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.



60.2248, 0.4331, 0.2980



60.2248, 0.2599, 0.4357



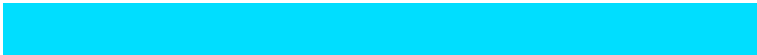
60.2248, 0.2704, 0.2155

Square

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



60.2248, 0.2599, 0.4357



60.2248, 0.1767, 0.2203



60.2248, 0.3534, 0.2485



60.2248, 0.4646, 0.4163

Rectangle

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



60.2248, 0.2599, 0.4357



60.2248, 0.1792, 0.2909



60.2248, 0.3534, 0.2485



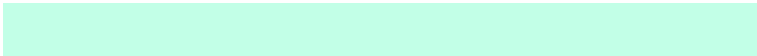
60.2248, 0.4669, 0.3363

Sweetspot

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



60.2272, 0.2599, 0.4357



88.7153, 0.2897, 0.3552



61.4002, 0.3329, 0.5534



18.6964, 0.2865, 0.3597



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.



60.2272, 0.2599, 0.4357



74.0999, 0.2618, 0.4601



53.7724, 0.2221, 0.3038



16.2344, 0.3034, 0.3385



33.1147, 0.2623, 0.4644



2.4653, 0.2562, 0.4424

Inverse Universe

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



20.3951, 0.4819, 0.2629



22.6446, 0.5300, 0.2719



21.0391, 0.5770, 0.3430



14.4623, 0.3230, 0.3197



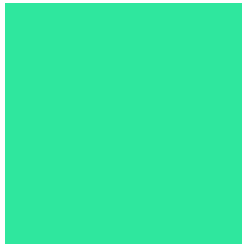
9.9777, 0.5384, 0.2740



0.7552, 0.4996, 0.2526

Previews

White Background



This preview shows how the Yxy color 60.2248, 0.2599, 0.4357 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 60.2248, 0.2599, 0.4357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

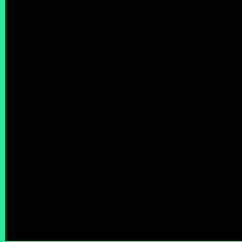
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.2248, 0.2599, 0.4357

Background



This preview shows how black text looks on a background with the Yxy color 60.2248, 0.2599, 0.4357.

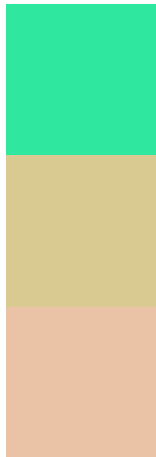


This preview shows how white text looks on a background with the Yxy color 60.2248, 0.2599, 0.4357.

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

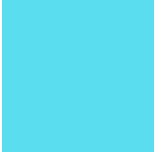
60.2248, 0.2599, 0.4357

Protanopia

59.0371, 0.3677, 0.3958

Deuteranopia

58.8292, 0.3683, 0.3605



Tritanopia

60.1186, 0.2322, 0.3057

Trichromacy



Original Color

60.2248, 0.2599, 0.4357



Protanomaly

56.7591, 0.3122, 0.4139



Deuteranomaly

55.3770, 0.3122, 0.3872



Tritanomaly

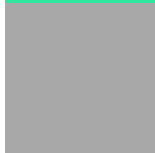
59.9594, 0.2410, 0.3492

Monochromacy



Original Color

60.2248, 0.2599, 0.4357



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.2270, 0.2809, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2248, 0.2599, 0.4357 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(47, 231, 158)` looks like.

```
.text, #text, p{  
    color:rgb(47, 231, 158)  
}
```

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(47, 231, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 231, 158) }
```

Border

The CSS property to change the border of an element to Yxy 60.2248, 0.2599, 0.4357 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(47, 231, 158) }
```

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

```
.border{ border-color:rgb(47, 231, 158) }
```

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

Here you see how a box with a 4 pixel rgb(47, 231, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 231, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 231, 158);  
box-shadow:4px 4px 4px 4px rgb(47, 231,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2248, 0.2599, 0.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 231, 158) }
```

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

```
.background{ background-color: rgb(47, 231,  
158) }
```

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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