

Converting Colors

$Yxy(47.5197, 0.2597, 0.4150)$

Have a look what the booklet for
Yxy(47.5197, 0.2597, 0.4150)
contains.

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Color

Yxy(47.4337, 0.2597, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	3ECE98
RGB	62, 206, 152
RGB Percent	24%, 81%, 60%
CMY	0.7569, 0.1921, 0.4038
CMYK	0.70, 0.00, 0.26, 0.19
HSL	158°, 60%, 53%
HSV	158°, 70%, 81%
XYZ	29.7262, 47.4337, 37.3037
YIQ	156.7880, -68.4900, -47.3220

Conversions

Conversions Part 2

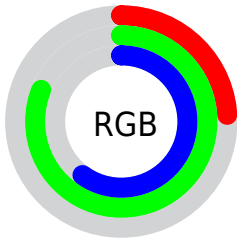
Format	Color
RYB	62, 151, 206
Decimal	4116120
CIELab	74.47, -50.55, 16.03
CIELCh	74, 53.029, 162.404
Yxy	47.4337, 0.2597, 0.4144
Android (android.graphics.Color)	4282306200 (0xFF3ECE98)
YUV	156.7880, -2.3605, -83.1291
Hunter-Lab	68.8721, -43.4831, 16.0968

Details

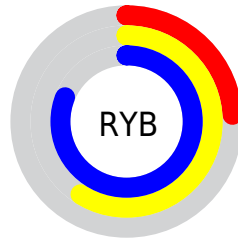
The Yxy color **47.4337, 0.2597, 0.4144** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.8269, 0.4560, 0.2680**, and the grayscale version is **33.6510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4883, 0.2687, 0.3886**, and **23.0728, 0.2553, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **46.6463, 0.2580, 0.4290**, and if you desaturate by 10%, it is **48.4936, 0.2633, 0.4000**.

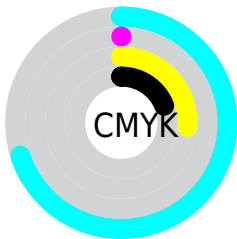
Distribution



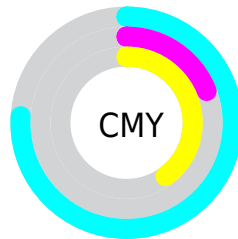
- Red (24%)
- Green (81%)
- Blue (60%)



- Red (24%)
- Yellow (59%)
- Blue (81%)



- Cyan (70%)
- Magenta (0%)
- Yellow (26%)
- Black (19%)




- Cyan (76%)
- Magenta (19%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4337, 0.2597, 0.4144 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 47.4337, 0.2597, 0.4144 by changing the saturation by 10% instead.


 47.4337, 0.2597,
0.4144


 47.4337, 0.2597,
0.4144


376.5430, 0.2871,
0.3695


 33.3786, 0.2526,
0.4263


 86.3606, 0.2699,
0.3976

 22.4167, 0.2433,
0.4419


 112.0013, 0.2736,
0.3914


 14.1634, 0.2307,
0.4635


 142.2726, 0.2768,
0.3863

 8.2344, 0.2127,
0.4948

 177.5590, 0.2795,
0.3819

 4.2453, 0.1852,
0.5441

 218.2449, 0.2818,
0.3782

 1.8117, 0.1059,
0.6653

264.7146, 0.2838,

 0.4945, 0.0000,

0.3749

1.0000

317.3525, 0.2856,
0.3721

0.0000, 0.0000,
0.0000

47.4337, 0.2597,
0.4144

47.4337, 0.2597,
0.4144

46.6463, 0.2580,
0.4290

48.4936, 0.2633,
0.4000

46.0952, 0.2584,
0.4434

49.8462, 0.2688,
0.3860

45.7264, 0.2605,
0.4576

51.5162, 0.2757,
0.3727

45.7233, 0.2605,
0.4577

53.5239, 0.2839,
0.3603

55.8880, 0.2930,
0.3488

■ 58.6258, 0.3027,
0.3383

■ 61.7534, 0.3128,
0.3289

■ 65.2861, 0.3230,
0.3205

■ 69.2380, 0.3332,
0.3130

Harmonies

Analogous

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



47.4337, 0.3283, 0.4609



47.4337, 0.2597, 0.4144



47.4337, 0.2090, 0.3373

Triad

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



47.4337, 0.2597, 0.4144



47.4337, 0.2248, 0.2169



47.4337, 0.4580, 0.3617

Complementary

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



47.4337, 0.2597, 0.4144



17.8269, 0.4560, 0.2680

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.



47.4337, 0.4253, 0.3078



47.4337, 0.2597, 0.4144



47.4337, 0.2831, 0.2289

Square

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



47.4337, 0.2597, 0.4144



47.4337, 0.1920, 0.2291



47.4337, 0.3577, 0.2611



47.4337, 0.4453, 0.4151

Rectangle

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



47.4337, 0.2597, 0.4144



47.4337, 0.1906, 0.2892



47.4337, 0.3577, 0.2611



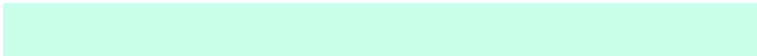
47.4337, 0.4522, 0.3434

Sweetspot

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



47.4356, 0.2597, 0.4144



89.9939, 0.2917, 0.3503



48.2872, 0.3335, 0.5314



19.0253, 0.2892, 0.3534



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.



47.4356, 0.2597, 0.4144



75.0711, 0.2580, 0.4364



41.9622, 0.2270, 0.3037



12.6530, 0.3033, 0.3378



28.1734, 0.2599, 0.4557



1.4679, 0.2522, 0.4279

Inverse Universe

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



17.8269, 0.4560, 0.2680



24.2147, 0.5048, 0.2688



19.0321, 0.5308, 0.3471



11.2821, 0.3232, 0.3203



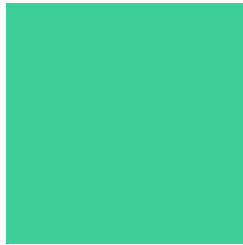
8.4292, 0.5460, 0.2781



0.4495, 0.4926, 0.2487

Previews

White Background



This preview shows how the Yxy color 47.4337, 0.2597, 0.4144 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 47.4337, 0.2597, 0.4144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

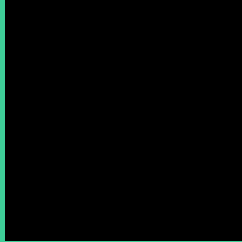
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4337, 0.2597, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 47.4337, 0.2597, 0.4144.

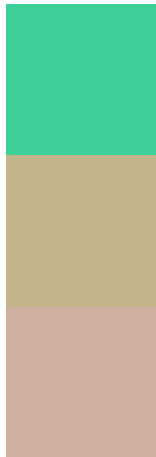


This preview shows how white text looks on a background with the Yxy color 47.4337, 0.2597, 0.4144.

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

47.4337, 0.2597, 0.4144

Protanopia

46.4105, 0.3584, 0.3823

Deuteranopia

46.4285, 0.3557, 0.3490



Tritanopia

47.3179, 0.2353, 0.3062

Trichromacy



Original Color

47.4337, 0.2597, 0.4144



Protanomaly

44.9515, 0.3112, 0.3962



Deuteranomaly

44.3881, 0.3091, 0.3719



Tritanomaly

47.1971, 0.2440, 0.3436

Monochromacy



Original Color

47.4337, 0.2597, 0.4144



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.1641, 0.2840, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4337, 0.2597, 0.4144 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(62, 206, 152)` looks like.

```
.text, #text, p{  
    color:rgb(62, 206, 152)  
}
```

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(62, 206, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 206, 152) }
```

Border

The CSS property to change the border of an element to Yxy 47.4337, 0.2597, 0.4144 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(62, 206, 152) }
```

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

```
.border{ border-color:rgb(62, 206, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 206, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 206, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 206, 152);  
box-shadow:4px 4px 4px 4px rgb(62, 206,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4337, 0.2597, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 206, 152) }
```

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

```
.background{ background-color: rgb(62, 206,  
152) }
```

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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