

Converting Colors

$Yxy(64.2649, 0.2534, 0.3949)$

Have a look what the booklet for
Yxy(64.2649, 0.2534, 0.3949)
contains.

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Color

Yxy(64.3441, 0.2534, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	47EBBB
RGB	71, 235, 187
RGB Percent	28%, 92%, 73%
CMY	0.7216, 0.0784, 0.2665
CMYK	0.70, 0.00, 0.20, 0.08
HSL	162°, 80%, 60%
HSV	162°, 70%, 92%
XYZ	41.2780, 64.3441, 57.2744
YIQ	180.4920, -82.3360, -49.6960

Conversions

Conversions Part 2

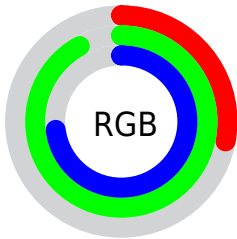
Format	Color
RYB	71, 167, 235
Decimal	4713403
CIELab	84.14, -53.01, 11.22
CIELCh	84, 54.188, 168.054
Yxy	64.3441, 0.2534, 0.3950
Android (android.graphics.Color)	4282903483 (0xFF47EBBB)
YUV	180.4920, 3.2084, -96.0245
Hunter-Lab	80.2148, -48.5210, 13.8165

Details

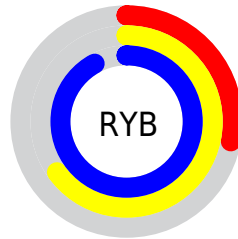
The Yxy color **64.3441, 0.2534, 0.3950** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **23.4983, 0.4788, 0.2824**, and the grayscale version is **45.9359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4800, 0.2568, 0.3426**, and **33.5620, 0.2474, 0.4105** is the 20% darker color. If you saturate the color by 10%, you get **63.3360, 0.2511, 0.4062**, and if you desaturate by 10%, it is **65.7146, 0.2577, 0.3839**.

Distribution



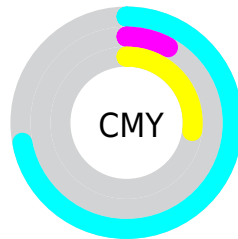
- Red (28%)
- Green (92%)
- Blue (73%)



- Red (28%)
- Yellow (65%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (20%)
- Black (8%)




- Cyan (72%)
- Magenta (8%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3441, 0.2534, 0.3950 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 64.3441, 0.2534, 0.3950 by changing the saturation by 10% instead.


 64.3441, 0.2534,
0.3950

 64.3441, 0.2534,
0.3950


440.4312, 0.2819,
0.3625


 46.9294, 0.2466,
0.4029


 111.1063, 0.2635,
0.3833


 32.9799, 0.2381,
0.4130


 141.2227, 0.2674,
0.3789

 22.1110, 0.2272,
0.4262

 176.3418, 0.2707,
0.3751

 13.9385, 0.2126,
0.4443

 216.8479, 0.2735,
0.3719

 8.0779, 0.1922,
0.4703

263.1255, 0.2760,
0.3691

 4.1448, 0.1620,
0.5108

315.5590, 0.2782,

 1.7549, 0.0677,

0.3666

0.6115

374.5328, 0.2802,
0.3645

0.4588, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.3441, 0.2534,
0.3950

64.3441, 0.2534,
0.3950

63.3360, 0.2511,
0.4062

65.7146, 0.2577,
0.3839

62.6405, 0.2509,
0.4174


67.4756, 0.2638,
0.3732

62.1898, 0.2524,
0.4284


69.6608, 0.2716,
0.3630

62.1814, 0.2524,
0.4286


72.2983, 0.2807,
0.3533

 75.4135, 0.2908,
0.3444

 79.0302, 0.3016,
0.3362

 83.1703, 0.3130,
0.3289

 87.0902, 0.3218,
0.3222

 87.5111, 0.3174,
0.3156

Harmonies

Analogous

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



64.3441, 0.3154, 0.4453



64.3441, 0.2534, 0.3950



64.3441, 0.2102, 0.3239

Triad

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



64.3441, 0.2534, 0.3950



64.3441, 0.2396, 0.2248



64.3441, 0.4481, 0.3703

Complementary

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



64.3441, 0.2534, 0.3950



23.4983, 0.4788, 0.2824

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.



64.3441, 0.4253, 0.3191



64.3441, 0.2534, 0.3950



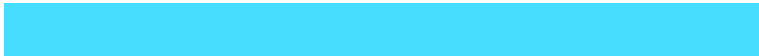
64.3441, 0.2979, 0.2398

Square

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



64.3441, 0.2534, 0.3950



64.3441, 0.2038, 0.2320



64.3441, 0.3676, 0.2732



64.3441, 0.4297, 0.4186

Rectangle

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



64.3441, 0.2534, 0.3950



64.3441, 0.1961, 0.2820



64.3441, 0.3676, 0.2732



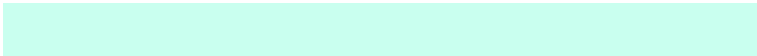
64.3441, 0.4452, 0.3531

Sweetspot

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



64.3466, 0.2534, 0.3950



90.2519, 0.2894, 0.3455



63.8799, 0.3252, 0.5379



19.0869, 0.2866, 0.3479



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.



64.3466, 0.2534, 0.3950



75.8087, 0.2508, 0.4113



49.6722, 0.2220, 0.2845



17.0424, 0.3020, 0.3360



34.6291, 0.2519, 0.4268



2.7359, 0.2477, 0.4115

Inverse Universe

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



23.4983, 0.4788, 0.2824



23.8204, 0.5328, 0.2852



27.9758, 0.5201, 0.3608



15.1265, 0.3247, 0.3221



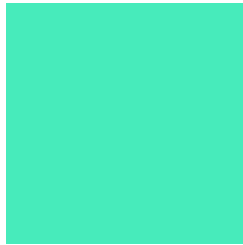
10.0864, 0.5786, 0.2961



0.8083, 0.5391, 0.2744

Previews

White Background



This preview shows how the Yxy color 64.3441, 0.2534, 0.3950 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 64.3441, 0.2534, 0.3950 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 64.3441, 0.2534, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 64.3441, 0.2534, 0.3950.



This preview shows how white text looks on a background with the Yxy color 64.3441, 0.2534, 0.3950.

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

64.3441, 0.2534, 0.3950

Protanopia

63.3445, 0.3474, 0.3692

Deuteranopia

62.9920, 0.3434, 0.3368



Tritanopia

64.0721, 0.2337, 0.3064

Trichromacy



Original Color

64.3441, 0.2534, 0.3950



Protanomaly

61.4642, 0.3020, 0.3801



Deuteranomaly

60.3488, 0.2992, 0.3565



Tritanomaly

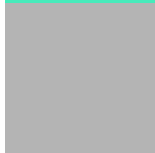
64.0502, 0.2405, 0.3366

Monochromacy



Original Color

64.3441, 0.2534, 0.3950



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.3029, 0.2804, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3441, 0.2534, 0.3950 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(71, 235, 187)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 187)  
}
```

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(71, 235, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 187) }
```

Border

The CSS property to change the border of an element to Yxy 64.3441, 0.2534, 0.3950 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(71, 235, 187) }
```

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

```
.border{ border-color:rgb(71, 235, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 235, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 187);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3441, 0.2534, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 187) }
```

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

```
.background{ background-color: rgb(71, 235,  
187) }
```

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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