

Converting Colors

$Y_{xy}(50.2397, 0.3323, 0.5219)$

Have a look what the booklet for
Yxy(50.2397, 0.3323, 0.5219)
contains.

Yxy(50.1934, 0.3325, 0.5222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.1934, 0.3325, 0.5222)

Conversions

Conversions Part 1

Format	Color
Hex	7AD147
RGB	122, 209, 71
RGB Percent	48%, 82%, 28%
CMY	0.5217, 0.1804, 0.7215
CMYK	0.42, 0.00, 0.66, 0.18
HSL	98°, 60%, 55%
HSV	98°, 66%, 82%
XYZ	31.9596, 50.1934, 13.9661
YIQ	167.2550, -7.5540, -61.3620

Conversions

Conversions Part 2

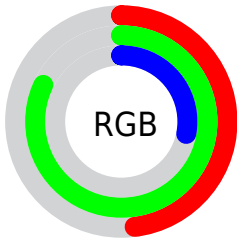
Format	Color
RYB	71, 209, 158
Decimal	8048967
CIELab	76.19, -49.67, 58.08
CIELCh	76, 76.425, 130.538
Yxy	50.1934, 0.3325, 0.5222
Android (android.graphics.Color)	4286239047 (0xFF7AD147)
YUV	167.2550, -47.4537, -39.6886
Hunter-Lab	70.8473, -43.4605, 37.9053

Details

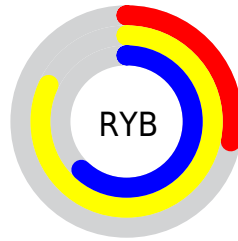
The Yxy color **50.1934, 0.3325, 0.5222** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **16.3872, 0.2623, 0.1542**, and the grayscale version is **39.0101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7040, 0.3364, 0.4773**, and **24.1723, 0.3258, 0.5784** is the 20% darker color. If you saturate the color by 10%, you get **49.0741, 0.3308, 0.5473**, and if you desaturate by 10%, it is **51.5399, 0.3325, 0.4932**.

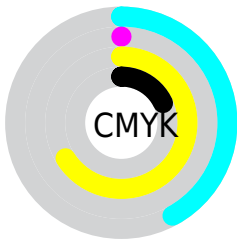
Distribution



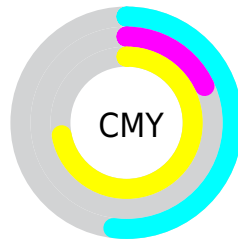
- Red (48%)
- Green (82%)
- Blue (28%)



- Red (28%)
- Yellow (82%)
- Blue (62%)



- Cyan (42%)
- Magenta (0%)
- Yellow (66%)
- Black (18%)





- Cyan (52%)
- Magenta (18%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1934, 0.3325, 0.5222 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 50.1934, 0.3325, 0.5222 by changing the saturation by 10% instead.


 50.1934, 0.3325,
0.5222


 50.1934, 0.3325,
0.5222


387.4218, 0.3295,
0.4218


 35.5671, 0.3305,
0.5471


 90.4614, 0.3334,
0.4855


 24.1000, 0.3262,
0.5783


 116.8718, 0.3331,
0.4717


 15.4078, 0.3175,
0.6178


 147.9791, 0.3326,
0.4601

 9.1061, 0.3032,
0.6744

 184.1676, 0.3320,
0.4502

 4.8105, 0.2674,
0.7326

 225.8217, 0.3314,
0.4416

 2.1365, 0.1868,
0.8132

273.3259, 0.3308,

 0.6850, 0.0000,

0.4341

1.0000

327.0644, 0.3301,
0.4276

■ 0.0000, 0.0000,
0.0000

■ 50.1934, 0.3325,
0.5222

■ 50.1934, 0.3325,
0.5222

■ 49.0741, 0.3308,
0.5473

■ 51.5399, 0.3325,
0.4932

■ 48.1603, 0.3273,
0.5668

■ 53.1205, 0.3309,
0.4620

■ 47.4362, 0.3223,
0.5799

■ 54.9496, 0.3281,
0.4304

■ 47.1906, 0.3202,
0.5840

■ 57.0385, 0.3243,
0.3996

■ 59.3977, 0.3201,
0.3706

■ 62.0371, 0.3155,
0.3439

■ 64.9661, 0.3109,
0.3197

■ 68.1936, 0.3063,
0.2980

■ 71.4599, 0.3046,
0.2827

Harmonies

Analogous

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



50.1934, 0.4240, 0.4967



50.1934, 0.3325, 0.5222



50.1934, 0.2407, 0.4616

Triad

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



50.1934, 0.3325, 0.5222



50.1934, 0.1521, 0.1952



50.1934, 0.4667, 0.2920

Complementary

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



50.1934, 0.3325, 0.5222



16.3872, 0.2623, 0.1542

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.



50.1934, 0.3672, 0.2343



50.1934, 0.3325, 0.5222



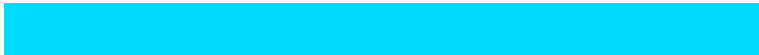
50.1934, 0.1906, 0.1808

Square

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



50.1934, 0.3325, 0.5222



50.1934, 0.1460, 0.2467



50.1934, 0.2641, 0.1951



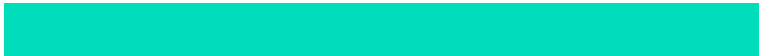
50.1934, 0.5139, 0.3591

Rectangle

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



50.1934, 0.3325, 0.5222



50.1934, 0.1923, 0.3840



50.1934, 0.2641, 0.1951



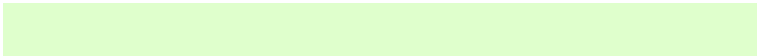
50.1934, 0.4372, 0.2714

Sweetspot

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



50.1956, 0.3325, 0.5222



91.5404, 0.3219, 0.3825



37.8259, 0.4453, 0.4281



19.3699, 0.3231, 0.3908



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.



50.1956, 0.3325, 0.5222



76.3654, 0.3296, 0.5556



47.6359, 0.2962, 0.5202



13.4157, 0.3171, 0.3526



29.1446, 0.3212, 0.5832



1.6742, 0.3359, 0.5715

Inverse Universe

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



16.3872, 0.2623, 0.1542



19.5954, 0.2484, 0.1270



21.9109, 0.3387, 0.1944



11.7819, 0.3080, 0.3057



5.9127, 0.2307, 0.1044



0.3749, 0.2473, 0.1136

Previews

White Background



This preview shows how the Yxy color 50.1934, 0.3325, 0.5222 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 50.1934, 0.3325, 0.5222 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 50.1934, 0.3325, 0.5222

Background



This preview shows how black text looks on a background with the Yxy color 50.1934, 0.3325, 0.5222.



This preview shows how white text looks on a background with the Yxy color 50.1934, 0.3325, 0.5222.

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

50.1934, 0.3325, 0.5222

Protanopia

49.4776, 0.4220, 0.4638

Deuteranopia

49.5907, 0.4409, 0.4314



Tritanopia

49.6627, 0.2650, 0.3077

Trichromacy



Original Color

50.1934, 0.3325, 0.5222



Protanomaly

48.7826, 0.3861, 0.4872



Deuteranomaly

48.1375, 0.3986, 0.4649



Tritanomaly

49.0809, 0.2925, 0.3864

Monochromacy



Original Color

50.1934, 0.3325, 0.5222



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.7011, 0.3253, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1934, 0.3325, 0.5222 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(122, 209, 71)` looks like.

```
.text, #text, p{  
    color:rgb(122, 209, 71)  
}
```

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(122, 209, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 209, 71) }
```

Border

The CSS property to change the border of an element to Yxy 50.1934, 0.3325, 0.5222 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(122, 209, 71) }
```

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

```
.border{ border-color:rgb(122, 209, 71) }
```

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

Here you see how a box with a 4 pixel rgb(122, 209, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 209, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 209, 71);  
box-shadow:4px 4px 4px 4px rgb(122, 209,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1934, 0.3325, 0.5222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 209, 71) }
```

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

```
.background{ background-color: rgb(122,  
209, 71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor