

Converting Colors

$Y_{xy}(50.7300, 0.3224, 0.5300)$

Have a look what the booklet for
Yxy(50.7300, 0.3224, 0.5300)
contains.

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Color

Yxy(50.7300, 0.3224, 0.5300)

Conversions

Conversions Part 1

Format	Color
Hex	6CD447
RGB	108, 212, 71
RGB Percent	42%, 83%, 28%
CMY	0.5767, 0.1686, 0.7215
CMYK	0.49, 0.00, 0.67, 0.17
HSL	104°, 62%, 55%
HSV	104°, 67%, 83%
XYZ	30.8592, 50.7300, 14.1278
YIQ	164.8300, -16.7230, -65.8990

Conversions

Conversions Part 2

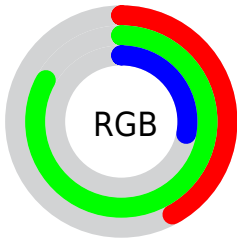
Format	Color
RYB	71, 212, 175
Decimal	7132231
CIELab	76.52, -55.12, 58.26
CIELCh	77, 80.201, 133.415
Yxy	50.7300, 0.3224, 0.5300
Android (android.graphics.Color)	4285322311 (0xFF6CD447)
YUV	164.8300, -46.2582, -49.8399
Hunter-Lab	71.2250, -47.3063, 38.0970

Details

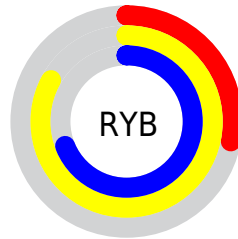
The Yxy color **50.7300, 0.3224, 0.5300** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **18.3867, 0.2783, 0.1607**, and the grayscale version is **37.7667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2418, 0.3278, 0.4802**, and **24.3146, 0.3132, 0.5889** is the 20% darker color. If you saturate the color by 10%, you get **49.6117, 0.3200, 0.5559**, and if you desaturate by 10%, it is **52.1236, 0.3234, 0.4997**.

Distribution



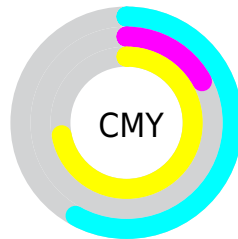
- Red (42%)
- Green (83%)
- Blue (28%)



- Red (28%)
- Yellow (83%)
- Blue (69%)



- Cyan (49%)
- Magenta (0%)
- Yellow (67%)
- Black (17%)




- Cyan (58%)
- Magenta (17%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7300, 0.3224, 0.5300 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 50.7300, 0.3224, 0.5300 by changing the saturation by 10% instead.


 50.7300, 0.3224,
0.5300

 50.7300, 0.3224,
0.5300


 389.5139, 0.3248,
0.4249


 35.9938, 0.3190,
0.5563


 91.2555, 0.3253,
0.4914

 24.4294, 0.3130,
0.5893

 117.8137, 0.3257,
0.4770

 15.6524, 0.3020,
0.6313


 149.0812, 0.3259,
0.4648

 9.2786, 0.2844,
0.6911

 185.4425, 0.3258,
0.4545

 4.9233, 0.2452,
0.7548

 227.2821, 0.3256,
0.4455

 2.2023, 0.1512,
0.8488

 274.9842, 0.3254,

 0.7213, 0.0000,

0.4378

1.0000

328.9333, 0.3251,
0.4309

■ 0.0000, 0.0000,
0.0000

■ 50.7300, 0.3224,
0.5300

■ 50.7300, 0.3224,
0.5300

■ 49.6117, 0.3200,
0.5559

■ 52.1236, 0.3234,
0.4997

■ 48.7425, 0.3165,
0.5757

■ 53.8037, 0.3232,
0.4670


■ 48.1010, 0.3120,
0.5883


■ 55.7885, 0.3220,
0.4340


■ 47.9200, 0.3105,
0.5916

■ 58.0927, 0.3200,
0.4021

■ 60.7300, 0.3175,
0.3723

 63.7135, 0.3146,
0.3452

 67.0553, 0.3117,
0.3208

 70.7671, 0.3087,
0.2992

 74.4126, 0.3103,
0.2865

Harmonies

Analogous

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



50.7300, 0.4183, 0.5079



50.7300, 0.3224, 0.5300



50.7300, 0.2289, 0.4579

Triad

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



50.7300, 0.3224, 0.5300



50.7300, 0.1491, 0.1873



50.7300, 0.4813, 0.2963

Complementary

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



50.7300, 0.3224, 0.5300



18.3867, 0.2783, 0.1607

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.



50.7300, 0.3803, 0.2358



50.7300, 0.3224, 0.5300



50.7300, 0.1917, 0.1759

Square

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



50.7300, 0.3224, 0.5300



50.7300, 0.1394, 0.2356



50.7300, 0.2710, 0.1933



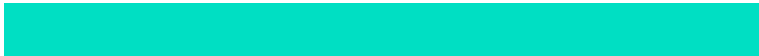
50.7300, 0.5230, 0.3655

Rectangle

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



50.7300, 0.3224, 0.5300



50.7300, 0.1814, 0.3738



50.7300, 0.2710, 0.1933



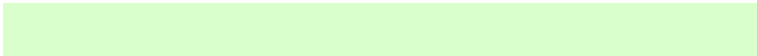
50.7300, 0.4521, 0.2748

Sweetspot

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



50.7322, 0.3224, 0.5300



90.6857, 0.3184, 0.3831



44.8856, 0.4319, 0.4456



19.1674, 0.3191, 0.3916



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.



50.7322, 0.3224, 0.5300



74.7270, 0.3186, 0.5654



49.4309, 0.2888, 0.4984



14.0516, 0.3155, 0.3528



29.6211, 0.3113, 0.5910



1.8269, 0.3241, 0.5809

Inverse Universe

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



18.3867, 0.2783, 0.1607



22.0862, 0.2681, 0.1362



21.7661, 0.3603, 0.2088



12.4615, 0.3096, 0.3057



7.3788, 0.2558, 0.1183



0.4841, 0.2675, 0.1248

Previews

White Background



This preview shows how the Yxy color 50.7300, 0.3224, 0.5300 looks on a white background.

Color Contrast Check

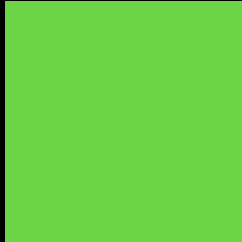
Large Text (above 18pt) WCAG AA × Fail

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 50.7300, 0.3224, 0.5300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

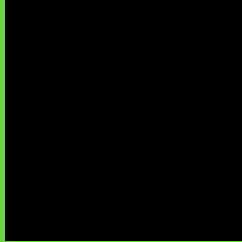
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7300, 0.3224, 0.5300

Background



This preview shows how black text looks on a background with the Yxy color 50.7300, 0.3224, 0.5300.



This preview shows how white text looks on a background with the Yxy color 50.7300, 0.3224, 0.5300.

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

50.7300, 0.3224, 0.5300

Protanopia

50.0382, 0.4226, 0.4649

Deuteranopia

49.6058, 0.4402, 0.4306



Tritanopia

50.3115, 0.2577, 0.3076

Trichromacy



Original Color

50.7300, 0.3224, 0.5300



Protanomaly

49.2220, 0.3812, 0.4911



Deuteranomaly

47.9418, 0.3928, 0.4674



Tritanomaly

49.6805, 0.2842, 0.3885

Monochromacy



Original Color

50.7300, 0.3224, 0.5300



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.0239, 0.3199, 0.4060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7300, 0.3224, 0.5300 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(108, 212, 71)` looks like.

```
.text, #text, p{  
    color:rgb(108, 212, 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(108, 212, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 212, 71) }
```

Border

The CSS property to change the border of an element to Yxy 50.7300, 0.3224, 0.5300 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(108, 212, 71) }
```

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

```
.border{ border-color:rgb(108, 212, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 212, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 212, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 212, 71);  
box-shadow:4px 4px 4px 4px rgb(108, 212,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7300, 0.3224, 0.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 212, 71) }
```

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

```
.background{ background-color: rgb(108,  
212, 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](#).

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