

# Converting Colors

$Y_{xy}(41.0400, 0.3172, 0.5704)$

Have a look what the booklet for  
Yxy(41.0400, 0.3172, 0.5704)  
contains.

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# Color

**Yxy(41.0400, 0.3172, 0.5704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AC420
RGB	74, 196, 32
RGB Percent	29%, 77%, 13%
CMY	0.7100, 0.2313, 0.8744
CMYK	0.62, 0.00, 0.84, 0.23
HSL	105°, 72%, 45%
HSV	105°, 84%, 77%
XYZ	22.8224, 41.0400, 8.0871
YIQ	140.8260, -20.0680, -76.8680

# Conversions

## Conversions Part 2

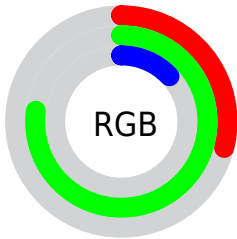
Format	Color
R <sub>Y</sub> B	32, 196, 154
Decimal	4899872
CIE Lab	70.20, -60.80, 64.56
CIE LCh	70, 88.677, 133.281
Yxy	41.0400, 0.3172, 0.5704
Android (android.graphics.Color)	4283089952 (0xFF4AC420)
YUV	140.8260, -53.6512, -58.6064
Hunter-Lab	64.0625, -48.5183, 37.3591

# Details

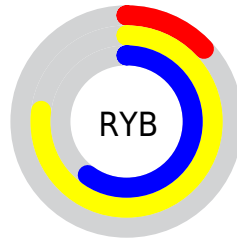
The Yxy color **41.0400, 0.3172, 0.5704** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **11.8997, 0.2677, 0.1337**, and the grayscale version is **26.7821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9923, 0.3238, 0.5222**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.4518, 0.3130, 0.5853**, and if you desaturate by 10%, it is **41.8293, 0.3204, 0.5486**.

# Distribution



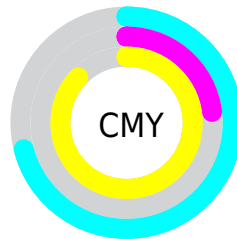
- Red (29%)
- Green (77%)
- Blue (13%)



- Red (13%)
- Yellow (77%)
- Blue (60%)



- Cyan (62%)
- Magenta (0%)
- Yellow (84%)
- Black (23%)




- Cyan (71%)
- Magenta (23%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0400, 0.3172, 0.5704 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 41.0400, 0.3172, 0.5704 by changing the saturation by 10% instead.




 41.0400, 0.3172,  
0.5704

 41.0400, 0.3172,  
0.5704

350.4878, 0.3257,  
0.4402


 28.3503, 0.3103,  
0.6033


 76.7446, 0.3236,  
0.5221


 18.5899, 0.2984,  
0.6441


 100.5284, 0.3250,  
0.5041


 11.3743, 0.2796,  
0.6999


 128.7789, 0.3257,  
0.4890

 6.3192, 0.2417,  
0.7583

 161.8807, 0.3261,  
0.4762

 3.0401, 0.1743,  
0.8257

 200.2181, 0.3262,  
0.4653

 1.1527, 0.0000,  
1.0000

 244.1754, 0.3261,

 0.0226, 0.0000,

0.4558


1.0000

294.1372, 0.3260,  
0.4475


 0.0000, 0.0000,  
0.0000

 41.0400, 0.3172,  
0.5704


 41.0400, 0.3172,  
0.5704

 40.4518, 0.3130,  
0.5853


 41.8293, 0.3204,  
0.5486

 40.1641, 0.3103,  
0.5918

 42.8327, 0.3223,  
0.5211

 44.0680, 0.3230,  
0.4899

 45.5495, 0.3225,  
0.4570

 47.2902, 0.3211,  
0.4243

■ 49.3022, 0.3190,  
0.3931

■ 51.5968, 0.3165,  
0.3641

■ 54.1847, 0.3138,  
0.3379

■ 57.0759, 0.3109,  
0.3144

# Harmonies

## Analogous

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



41.0400, 0.4262, 0.5311



41.0400, 0.3172, 0.5704



41.0400, 0.2123, 0.4866

# Triad

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



41.0400, 0.3172, 0.5704



41.0400, 0.1281, 0.1669



41.0400, 0.5113, 0.2875

# Complementary

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



41.0400, 0.3172, 0.5704



11.8997, 0.2677, 0.1337

# 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.



41.0400, 0.3905, 0.2215



41.0400, 0.3172, 0.5704



41.0400, 0.1739, 0.1559

# Square

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



41.0400, 0.3172, 0.5704



41.0400, 0.1170, 0.2182



41.0400, 0.2622, 0.1751



41.0400, 0.5565, 0.3621

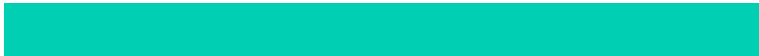


# Rectangle

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



41.0400, 0.3172, 0.5704



41.0400, 0.1601, 0.3811



41.0400, 0.2622, 0.1751



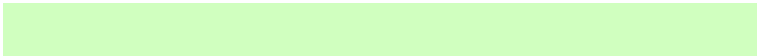
41.0400, 0.4767, 0.2642

# Sweetspot

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



41.0417, 0.3172, 0.5704



88.6370, 0.3194, 0.3983



34.3893, 0.4580, 0.4592



18.6879, 0.3202, 0.4094



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.



41.0417, 0.3172, 0.5704



72.6503, 0.3095, 0.5925



40.2368, 0.2892, 0.5425



11.3805, 0.3154, 0.3525



25.8404, 0.3111, 0.5911



1.1507, 0.3283, 0.5775



# Inverse Universe

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



11.8997, 0.2677, 0.1337



18.1429, 0.2558, 0.1183



15.2317, 0.3760, 0.1946



10.1137, 0.3098, 0.3060



6.5241, 0.2576, 0.1193

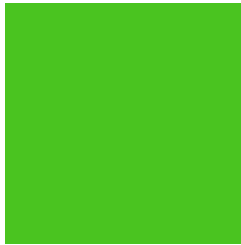


0.3132, 0.2724, 0.1274



# Previews

## White Background



This preview shows how the Yxy color 41.0400, 0.3172, 0.5704 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 41.0400, 0.3172, 0.5704 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 41.0400, 0.3172, 0.5704**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0400, 0.3172, 0.5704.



This preview shows how white text looks on a background with the Yxy color 41.0400, 0.3172, 0.5704.

# 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

41.0400, 0.3172, 0.5704

### Protanopia

40.4025, 0.4359, 0.4829

### Deuteranopia

40.2258, 0.4555, 0.4473



## Tritanopia

40.6129, 0.2482, 0.3067

# Trichromacy



## Original Color

41.0400, 0.3172, 0.5704



## Protanomaly

39.1159, 0.3848, 0.5204



## Deuteranomaly

38.1353, 0.3972, 0.4968



## Tritanomaly

39.7797, 0.2792, 0.4113

# Monochromacy



## Original Color

41.0400, 0.3172, 0.5704



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

30.2112, 0.3223, 0.4341

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0400, 0.3172, 0.5704 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(74, 196, 32)` looks like.

```
.text, #text, p{  
    color:rgb(74, 196, 32)  
}
```

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(74, 196, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 196, 32) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0400, 0.3172, 0.5704 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(74, 196, 32) }
```

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

```
.border{ border-color:rgb(74, 196, 32) }
```

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

Here you see how a box with a 4 pixel rgb(74, 196, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 196, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 196, 32);  
box-shadow:4px 4px 4px 4px rgb(74, 196,  
32) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0400, 0.3172, 0.5704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 196, 32) }
```

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

```
.background{ background-color: rgb(74, 196,  
32) }
```

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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