

Converting Colors

$Y_{xy}(42.5349, 0.3010, 0.5703)$

Have a look what the booklet for
Yxy(42.5349, 0.3010, 0.5703)
contains.

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Color

Yxy(42.5284, 0.3011, 0.5701)

Conversions

Conversions Part 1

Format	Color
Hex	2DC92E
RGB	45, 201, 46
RGB Percent	18%, 79%, 18%
CMY	0.8236, 0.2117, 0.8196
CMYK	0.78, 0.00, 0.77, 0.21
HSL	120°, 63%, 48%
HSV	120°, 78%, 79%
XYZ	22.4615, 42.5284, 9.6082
YIQ	136.6860, -43.2210, -81.2770

Conversions

Conversions Part 2

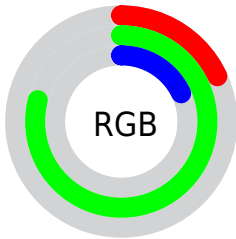
Format	Color
RYB	45, 200, 201
Decimal	3000622
CIELab	71.23, -66.88, 61.36
CIELCh	71, 90.765, 137.464
Yxy	42.5284, 0.3011, 0.5701
Android (android.graphics.Color)	4281190702 (0xFF2DC92E)
YUV	136.6860, -44.7082, -80.4086
Hunter-Lab	65.2138, -52.6436, 36.9142

Details

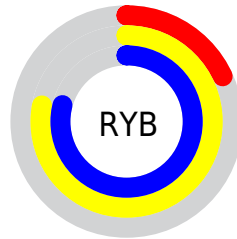
The Yxy color **42.5284, 0.3011, 0.5701** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **18.4647, 0.3215, 0.1675**, and the grayscale version is **25.0753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3508, 0.3103, 0.5187**, and **20.2508, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.0552, 0.3003, 0.5883**, and if you desaturate by 10%, it is **43.2952, 0.3023, 0.5440**.

Distribution



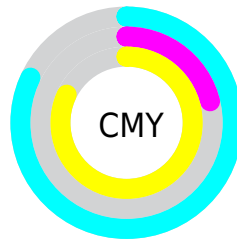
- Red (18%)
- Green (79%)
- Blue (18%)



- Red (18%)
- Yellow (78%)
- Blue (79%)



- Cyan (78%)
- Magenta (0%)
- Yellow (77%)
- Black (21%)




- Cyan (82%)
- Magenta (21%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5284, 0.3011, 0.5701 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 42.5284, 0.3011, 0.5701 by changing the saturation by 10% instead.


 42.5284, 0.3011,
0.5701

 42.5284, 0.3011,
0.5701


356.6687, 0.3170,
0.4390

 29.5153, 0.2929,
0.6040


 78.9987, 0.3098,
0.5210

 19.4710, 0.2798,
0.6468


 103.2247, 0.3122,
0.5029


 12.0111, 0.2583,
0.7019


 131.9570, 0.3138,
0.4877

 6.7512, 0.2235,
0.7765

 165.5802, 0.3150,
0.4749

 3.3070, 0.1539,
0.8461

 204.4786, 0.3158,
0.4640

 1.2940, 0.0000,
1.0000

 249.0365, 0.3163,

 0.1366, 0.0000,

0.4545

1.0000

299.6384, 0.3167,
0.4463

■ 0.0000, 0.0000,
0.0000

■ 42.5284, 0.3011,
0.5701

■ 42.5284, 0.3011,
0.5701

■ 42.0552, 0.3003,
0.5883

■ 43.2952, 0.3023,
0.5440

■ 41.8194, 0.3000,
0.5979

■ 44.3865, 0.3037,
0.5120

■ 41.7781, 0.2999,
0.5996

■ 45.8350, 0.3054,
0.4770

■ 47.6682, 0.3071,
0.4415

■ 49.9108, 0.3088,
0.4074

■ 52.5853, 0.3103,
0.3761

■ 55.7128, 0.3117,
0.3480

■ 59.3128, 0.3130,
0.3234

■ 63.4040, 0.3141,
0.3022

Harmonies

Analogous

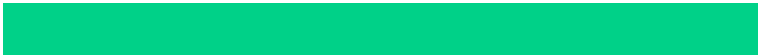
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5284, 0.4119, 0.5430



42.5284, 0.3011, 0.5701



42.5284, 0.1984, 0.4675

Triad

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



42.5284, 0.3011, 0.5701



42.5284, 0.1309, 0.1619



42.5284, 0.5255, 0.2969

Complementary

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



42.5284, 0.3011, 0.5701



18.4647, 0.3215, 0.1675

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.



42.5284, 0.4105, 0.2289



42.5284, 0.3011, 0.5701



42.5284, 0.1823, 0.1555

Square

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



42.5284, 0.3011, 0.5701



42.5284, 0.1151, 0.2066



42.5284, 0.2777, 0.1788



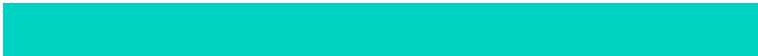
42.5284, 0.5577, 0.3728

Rectangle

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



42.5284, 0.3011, 0.5701



42.5284, 0.1503, 0.3592



42.5284, 0.2777, 0.1788



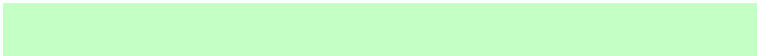
42.5284, 0.4941, 0.2731

Sweetspot

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



42.5302, 0.3011, 0.5701



87.3214, 0.3095, 0.3936



54.3827, 0.4116, 0.4925



18.3465, 0.3089, 0.4053



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.



42.5302, 0.3011, 0.5701



71.6954, 0.3001, 0.5955



43.7630, 0.2685, 0.4600



11.8890, 0.3115, 0.3527



26.2678, 0.2999, 0.5995



1.2442, 0.2994, 0.5978

Inverse Universe

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



18.4647, 0.3215, 0.1675



28.8104, 0.3223, 0.1567



15.7244, 0.4428, 0.2434



10.8154, 0.3139, 0.3064



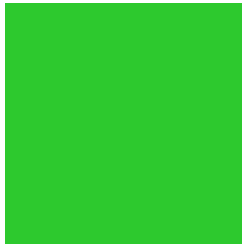
10.4218, 0.3225, 0.1550



0.4939, 0.3222, 0.1548

Previews

White Background



This preview shows how the Yxy color 42.5284, 0.3011, 0.5701 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 42.5284, 0.3011, 0.5701 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 42.5284, 0.3011, 0.5701

Background



This preview shows how black text looks on a background with the Yxy color 42.5284, 0.3011, 0.5701.



This preview shows how white text looks on a background with the Yxy color 42.5284, 0.3011, 0.5701.

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

42.5284, 0.3011, 0.5701

Protanopia

41.5030, 0.4316, 0.4770

Deuteranopia

41.4976, 0.4504, 0.4401



Tritanopia

42.0802, 0.2394, 0.3067

Trichromacy



Original Color

42.5284, 0.3011, 0.5701



Protanomaly

39.6096, 0.3700, 0.5203



Deuteranomaly

38.5998, 0.3816, 0.4950



Tritanomaly

41.2395, 0.2648, 0.4066

Monochromacy



Original Color

42.5284, 0.3011, 0.5701



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.0841, 0.3079, 0.4310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5284, 0.3011, 0.5701 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(45, 201, 46)` looks like.

```
.text, #text, p{  
    color:rgb(45, 201, 46)  
}
```

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(45, 201, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 201, 46) }
```

Border

The CSS property to change the border of an element to Yxy 42.5284, 0.3011, 0.5701 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(45, 201, 46) }
```

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

```
.border{ border-color:rgb(45, 201, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 201, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 201, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 201, 46);  
box-shadow:4px 4px 4px 4px rgb(45, 201,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5284, 0.3011, 0.5701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 201, 46) }
```

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

```
.background{ background-color: rgb(45, 201,  
46) }
```

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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