

Converting Colors

$Y_{xy}(41.2674, 0.3206, 0.5019)$

Have a look what the booklet for
Yxy(41.2674, 0.3206, 0.5019)
contains.

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Color

Yxy(41.4343, 0.3206, 0.5025)

Conversions

Conversions Part 1

Format	Color
Hex	6BC052
RGB	107, 192, 82
RGB Percent	42%, 75%, 32%
CMY	0.5804, 0.2470, 0.6784
CMYK	0.44, 0.00, 0.57, 0.25
HSL	106°, 47%, 54%
HSV	106°, 57%, 75%
XYZ	26.4355, 41.4343, 14.5865
YIQ	154.0450, -15.3500, -52.2300

Conversions

Conversions Part 2

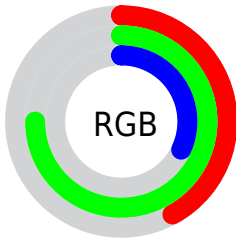
Format	Color
RYB	82, 192, 167
Decimal	7061586
CIELab	70.48, -46.38, 46.77
CIELCh	70, 65.863, 134.761
Yxy	41.4343, 0.3206, 0.5025
Android (android.graphics.Color)	4285251666 (0xFF6BC052)
YUV	154.0450, -35.5182, -41.2585
Hunter-Lab	64.3695, -39.3396, 31.6232

Details

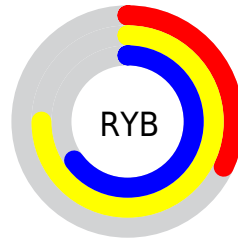
The Yxy color **41.4343, 0.3206, 0.5025** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **18.0574, 0.2894, 0.1835**, and the grayscale version is **32.4999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2872, 0.3220, 0.4665**, and **18.9186, 0.3134, 0.5605** is the 20% darker color. If you saturate the color by 10%, you get **40.3414, 0.3193, 0.5329**, and if you desaturate by 10%, it is **42.7703, 0.3208, 0.4697**.

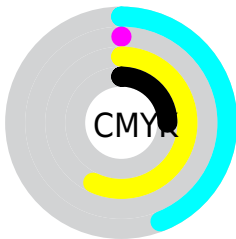
Distribution



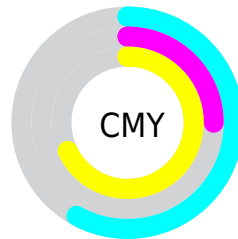
- Red (42%)
- Green (75%)
- Blue (32%)



- Red (32%)
- Yellow (75%)
- Blue (65%)



- Cyan (44%)
- Magenta (0%)
- Yellow (57%)
- Black (25%)



- Cyan (58%)
- Magenta (25%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4343, 0.3206, 0.5025 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 41.4343, 0.3206, 0.5025 by changing the saturation by 10% instead.

 41.4343, 0.3206,
0.5025

 41.4343, 0.3206,
0.5025

352.1325, 0.3216,
0.4087

 28.6586, 0.3181,
0.5275


 77.3427, 0.3225,
0.4670


 18.8227, 0.3134,
0.5601


 101.2443, 0.3227,
0.4541

 11.5422, 0.3043,
0.6035


 129.6232, 0.3227,
0.4433

 6.4328, 0.2887,
0.6692

 162.8639, 0.3226,
0.4342

 3.1100, 0.2499,
0.7501

 201.3508, 0.3224,
0.4264

 1.1894, 0.0000,
1.0000

245.4682, 0.3222,

 0.0530, 0.0000,

0.4197

1.0000

295.6007, 0.3219,
0.4138

■ 0.0000, 0.0000,
0.0000

■ 41.4343, 0.3206,
0.5025

■ 41.4343, 0.3206,
0.5025

■ 40.3414, 0.3193,
0.5329

■ 42.7703, 0.3208,
0.4697

■ 39.4713, 0.3169,
0.5588

■ 44.3578, 0.3201,
0.4365

■ 38.8087, 0.3134,
0.5783

■ 46.2112, 0.3186,
0.4044

■ 38.3325, 0.3094,
0.5906

■ 48.3422, 0.3167,
0.3744

■ 38.2286, 0.3084,
0.5933

■ 50.7619, 0.3144,
0.3471

■ 53.4807, 0.3121,
0.3227

■ 56.5085, 0.3096,
0.3010

■ 59.8546, 0.3072,
0.2820

■ 63.5281, 0.3049,
0.2654

Harmonies

Analogous

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



41.4343, 0.4073, 0.4920



41.4343, 0.3206, 0.5025



41.4343, 0.2365, 0.4358

Triad

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



41.4343, 0.3206, 0.5025



41.4343, 0.1654, 0.2007



41.4343, 0.4642, 0.3043

Complementary

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



41.4343, 0.3206, 0.5025



18.0574, 0.2894, 0.1835

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.



41.4343, 0.3775, 0.2476



41.4343, 0.3206, 0.5025



41.4343, 0.2066, 0.1905

Square

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



41.4343, 0.3206, 0.5025



41.4343, 0.1555, 0.2445



41.4343, 0.2804, 0.2075



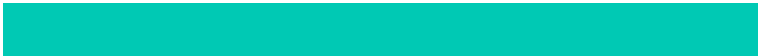
41.4343, 0.4998, 0.3689

Rectangle

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



41.4343, 0.3206, 0.5025



41.4343, 0.1937, 0.3643



41.4343, 0.2804, 0.2075



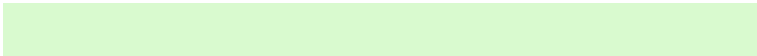
41.4343, 0.4393, 0.2841

Sweetspot

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



41.4361, 0.3206, 0.5025



87.5969, 0.3167, 0.3743



39.2115, 0.4117, 0.4368



18.6159, 0.3171, 0.3802



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.4361, 0.3206, 0.5025



72.6090, 0.3187, 0.5407



40.6504, 0.2881, 0.4645



11.3667, 0.3149, 0.3526



25.7517, 0.3091, 0.5928



1.1447, 0.3254, 0.5799

Inverse Universe

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



18.0574, 0.2894, 0.1835



26.0773, 0.2819, 0.1574



19.8744, 0.3566, 0.2261



10.1284, 0.3102, 0.3061



6.8571, 0.2646, 0.1231



0.3253, 0.2778, 0.1304

Previews

White Background



This preview shows how the Yxy color 41.4343, 0.3206, 0.5025 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 41.4343, 0.3206, 0.5025 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 41.4343, 0.3206, 0.5025

Background



This preview shows how black text looks on a background with the Yxy color 41.4343, 0.3206, 0.5025.



This preview shows how white text looks on a background with the Yxy color 41.4343, 0.3206, 0.5025.

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

41.4343, 0.3206, 0.5025

Protanopia

40.9740, 0.4096, 0.4500

Deuteranopia

40.6342, 0.4259, 0.4168



Tritanopia

41.0947, 0.2611, 0.3073

Trichromacy



Original Color

41.4343, 0.3206, 0.5025

Protanomaly

40.2638, 0.3740, 0.4706

Deuteranomaly

39.8445, 0.3837, 0.4485

Tritanomaly

40.6071, 0.2841, 0.3756

Monochromacy



Original Color

41.4343, 0.3206, 0.5025

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.8821, 0.3179, 0.3930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4343, 0.3206, 0.5025 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(107, 192, 82)` looks like.

```
.text, #text, p{  
    color:rgb(107, 192, 82)  
}
```

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(107, 192, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 192, 82) }
```

Border

The CSS property to change the border of an element to Yxy 41.4343, 0.3206, 0.5025 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(107, 192, 82) }
```

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

```
.border{ border-color:rgb(107, 192, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 192, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 192, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 192, 82);  
box-shadow:4px 4px 4px 4px rgb(107, 192,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4343, 0.3206, 0.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 192, 82) }
```

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

```
.background{ background-color: rgb(107,  
192, 82) }
```

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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