

Converting Colors

Yxy(42.8704, 0.3135, 0.5468)

Have a look what the booklet for
Yxy(42.8704, 0.3135, 0.5468)
contains.

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Color

Yxy(42.9017, 0.3132, 0.5467)

Conversions

Conversions Part 1

Format	Color
Hex	51C73A
RGB	81, 199, 58
RGB Percent	32%, 78%, 23%
CMY	0.6826, 0.2196, 0.7724
CMYK	0.59, 0.00, 0.71, 0.22
HSL	110°, 56%, 50%
HSV	110°, 71%, 78%
XYZ	24.5780, 42.9017, 10.9942
YIQ	147.6440, -25.0670, -68.8670

Conversions

Conversions Part 2

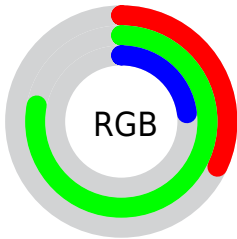
Format	Color
RYB	58, 199, 176
Decimal	5359418
CIELab	71.49, -58.56, 57.71
CIELCh	71, 82.216, 135.418
Yxy	42.9017, 0.3132, 0.5467
Android (android.graphics.Color)	4283549498 (0xFF51C73A)
YUV	147.6440, -44.1945, -58.4468
Hunter-Lab	65.4994, -47.6435, 35.8976

Details

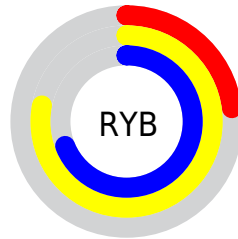
The Yxy color **42.9017, 0.3132, 0.5467** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **16.3976, 0.2923, 0.1611**, and the grayscale version is **29.6508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4630, 0.3188, 0.5014**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.0908, 0.3106, 0.5706**, and if you desaturate by 10%, it is **43.9752, 0.3151, 0.5171**.

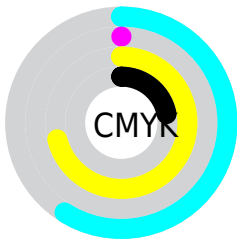
Distribution



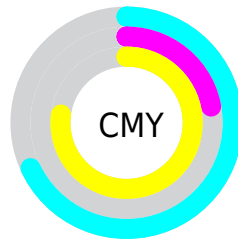
- Red (32%)
- Green (78%)
- Blue (23%)



- Red (23%)
- Yellow (78%)
- Blue (69%)



- Cyan (59%)
- Magenta (0%)
- Yellow (71%)
- Black (22%)




- Cyan (68%)
- Magenta (22%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9017, 0.3132, 0.5467 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 42.9017, 0.3132, 0.5467 by changing the saturation by 10% instead.


 42.9017, 0.3132,
0.5467


 42.9017, 0.3132,
0.5467


358.2074, 0.3212,
0.4292

 29.8080, 0.3077,
0.5772


 79.5625, 0.3186,
0.5027


 19.6929, 0.2983,
0.6159


 103.8984, 0.3198,
0.4865


 12.1720, 0.2817,
0.6655


 132.7505, 0.3206,
0.4729

 6.8609, 0.2570,
0.7430

 166.5031, 0.3210,
0.4614

 3.3753, 0.1977,
0.8023

 205.5407, 0.3212,
0.4516

 1.3307, 0.0000,
1.0000


250.2477, 0.3213,


 0.1648, 0.0000,


0.4431


1.0000


301.0085, 0.3213,
0.4357


 0.0000, 0.0000,
0.0000


 42.9017, 0.3132,
0.5467


 42.9017, 0.3132,
0.5467

 42.0908, 0.3106,
0.5706


 43.9752, 0.3151,
0.5171


 41.5140, 0.3075,
0.5872

 45.3259, 0.3161,
0.4841

 41.1629, 0.3047,
0.5963

 46.9740, 0.3164,
0.4500

 48.9358, 0.3161,
0.4166

 51.2268, 0.3153,
0.3852

■ 53.8612, 0.3142,
0.3566

■ 56.8525, 0.3128,
0.3310

■ 60.2134, 0.3114,
0.3084

■ 63.9560, 0.3099,
0.2886

Harmonies

Analogous

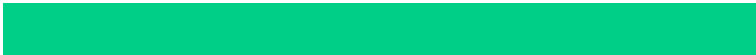
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.9017, 0.4158, 0.5233



42.9017, 0.3132, 0.5467



42.9017, 0.2155, 0.4617

Triad

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



42.9017, 0.3132, 0.5467



42.9017, 0.1412, 0.1760



42.9017, 0.5006, 0.2971

Complementary

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



42.9017, 0.3132, 0.5467



16.3976, 0.2923, 0.1611

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.



42.9017, 0.3935, 0.2331



42.9017, 0.3132, 0.5467



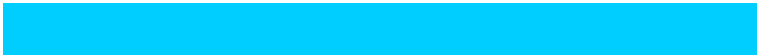
42.9017, 0.1879, 0.1669

Square

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



42.9017, 0.3132, 0.5467



42.9017, 0.1286, 0.2227



42.9017, 0.2743, 0.1872



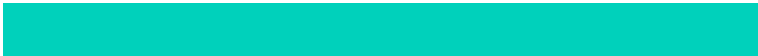
42.9017, 0.5384, 0.3695

Rectangle

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



42.9017, 0.3132, 0.5467



42.9017, 0.1676, 0.3674



42.9017, 0.2743, 0.1872



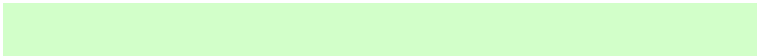
42.9017, 0.4704, 0.2745

Sweetspot

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



42.9035, 0.3132, 0.5467



89.4818, 0.3153, 0.3867



43.3098, 0.4259, 0.4640



18.9012, 0.3156, 0.3952



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.



42.9035, 0.3132, 0.5467



73.0961, 0.3089, 0.5806



42.7721, 0.2815, 0.4870



11.9693, 0.3140, 0.3527



26.4919, 0.3052, 0.5958



1.2811, 0.3176, 0.5860

Inverse Universe

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



16.3976, 0.2923, 0.1611



23.8049, 0.2858, 0.1411



17.4419, 0.3860, 0.2190



10.7260, 0.3112, 0.3061



7.9435, 0.2805, 0.1319



0.4001, 0.2894, 0.1368

Previews

White Background



This preview shows how the Yxy color 42.9017, 0.3132, 0.5467 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 42.9017, 0.3132, 0.5467 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 42.9017, 0.3132, 0.5467

Background



This preview shows how black text looks on a background with the Yxy color 42.9017, 0.3132, 0.5467.



This preview shows how white text looks on a background with the Yxy color 42.9017, 0.3132, 0.5467.

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

42.9017, 0.3132, 0.5467

Protanopia

42.1221, 0.4263, 0.4693

Deuteranopia

41.9514, 0.4445, 0.4349



Tritanopia

42.7144, 0.2492, 0.3072

Trichromacy



Original Color

42.9017, 0.3132, 0.5467



Protanomaly

41.0033, 0.3785, 0.5019



Deuteranomaly

40.0531, 0.3892, 0.4776



Tritanomaly

42.1409, 0.2753, 0.3958

Monochromacy



Original Color

42.9017, 0.3132, 0.5467



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.1603, 0.3166, 0.4162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9017, 0.3132, 0.5467 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(81, 199, 58)` looks like.

```
.text, #text, p{  
    color:rgb(81, 199, 58)  
}
```

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(81, 199, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 199, 58) }
```

Border

The CSS property to change the border of an element to Yxy 42.9017, 0.3132, 0.5467 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(81, 199, 58) }
```

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

```
.border{ border-color:rgb(81, 199, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 199, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 199, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 199, 58);  
box-shadow:4px 4px 4px 4px rgb(81, 199,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9017, 0.3132, 0.5467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 199, 58) }
```

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

```
.background{ background-color: rgb(81, 199,  
58) }
```

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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