

Converting Colors

Yxy(43.2337, 0.3066, 0.5080)

Have a look what the booklet for
Yxy(43.2337, 0.3066, 0.5080)
contains.

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Color

Yxy(43.2337, 0.3066, 0.5080)

Conversions

Conversions Part 1

Format	Color
Hex	5AC656
RGB	90, 198, 86
RGB Percent	35%, 78%, 34%
CMY	0.6469, 0.2235, 0.6626
CMYK	0.55, 0.00, 0.57, 0.22
HSL	118°, 50%, 56%
HSV	118°, 57%, 78%
XYZ	26.0934, 43.2337, 15.7786
YIQ	152.9400, -28.4160, -57.7280

Conversions

Conversions Part 2

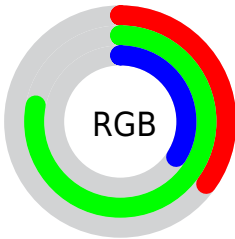
Format	Color
RYB	86, 198, 194
Decimal	5949014
CIELab	71.71, -53.11, 46.18
CIELCh	72, 70.380, 138.994
Yxy	43.2337, 0.3066, 0.5080
Android (android.graphics.Color)	4284139094 (0xFF5AC656)
YUV	152.9400, -33.0014, -55.1984
Hunter-Lab	65.7523, -44.2300, 31.7988

Details

The Yxy color **43.2337, 0.3066, 0.5080** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **22.2051, 0.3143, 0.1951**, and the grayscale version is **31.9888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6800, 0.3108, 0.4705**, and **19.8796, 0.2953, 0.5675** is the 20% darker color. If you saturate the color by 10%, you get **42.1213, 0.3050, 0.5403**, and if you desaturate by 10%, it is **44.6840, 0.3081, 0.4730**.

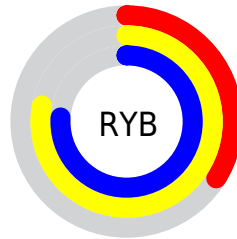
Distribution



Red (35%)

Green (78%)

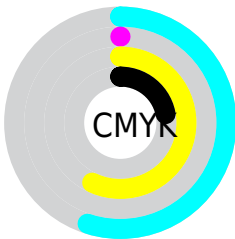
Blue (34%)



Red (34%)

Yellow (78%)

Blue (76%)

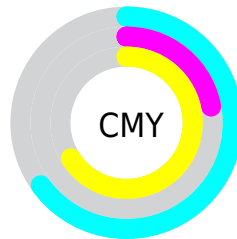


Cyan (55%)

Magenta (0%)

Yellow (57%)

Black (22%)



Cyan (65%)


Magenta (22%)


Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2337, 0.3066, 0.5080 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 43.2337, 0.3066, 0.5080 by changing the saturation by 10% instead.

 43.2337, 0.3066,
0.5080


 43.2337, 0.3066,
0.5080


359.5720, 0.3149,
0.4110


 30.0685, 0.3024,
0.5340


 80.0634, 0.3111,
0.4713

 19.8906, 0.2955,
0.5679


 104.4967, 0.3123,
0.4579

 12.3155, 0.2837,
0.6135


 133.4549, 0.3132,
0.4467

 6.9590, 0.2633,
0.6788

 167.3223, 0.3138,
0.4373

 3.4364, 0.2249,
0.7751

206.4833, 0.3142,
0.4293

 1.3636, 0.0000,
1.0000

251.3223, 0.3145,


 0.1897, 0.0000,

0.4224


1.0000

302.2237, 0.3147,
0.4163


 0.0000, 0.0000,
0.0000


 43.2337, 0.3066,
0.5080


 43.2337, 0.3066,
0.5080

 42.1213, 0.3050,
0.5403


 44.6840, 0.3081,
0.4730


 41.3146, 0.3034,
0.5671


 46.4906, 0.3095,
0.4377


 40.7846, 0.3020,
0.5862

 48.6769, 0.3106,
0.4040

 40.4935, 0.3008,
0.5969

 51.2628, 0.3116,
0.3730

 40.4336, 0.3007,
0.5994

 54.2670, 0.3123,
0.3453

■ 57.7068, 0.3129,
0.3210

■ 61.5986, 0.3133,
0.2998

■ 65.9580, 0.3137,
0.2816

■ 68.8678, 0.3153,
0.2732

Harmonies

Analogous

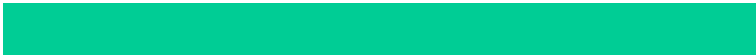
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.2337, 0.3981, 0.5053



43.2337, 0.3066, 0.5080



43.2337, 0.2215, 0.4269

Triad

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



43.2337, 0.3066, 0.5080



43.2337, 0.1634, 0.1916



43.2337, 0.4814, 0.3114

Complementary

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



43.2337, 0.3066, 0.5080



22.2051, 0.3143, 0.1951

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.



43.2337, 0.3953, 0.2514



43.2337, 0.3066, 0.5080



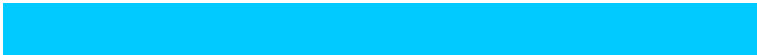
43.2337, 0.2106, 0.1857

Square

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



43.2337, 0.3066, 0.5080



43.2337, 0.1485, 0.2310



43.2337, 0.2918, 0.2070



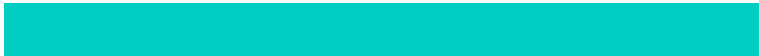
43.2337, 0.5086, 0.3787

Rectangle

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



43.2337, 0.3066, 0.5080



43.2337, 0.1806, 0.3495



43.2337, 0.2918, 0.2070



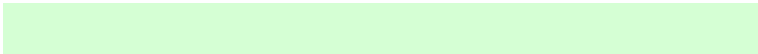
43.2337, 0.4578, 0.2903

Sweetspot

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



43.2355, 0.3066, 0.5080



90.4321, 0.3115, 0.3751



50.5534, 0.3966, 0.4566



19.1459, 0.3113, 0.3812



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.



43.2355, 0.3066, 0.5080



74.1884, 0.3046, 0.5475



44.1569, 0.2764, 0.4282



11.9057, 0.3121, 0.3528



26.3032, 0.3009, 0.5993



1.2519, 0.3041, 0.5968

Inverse Universe

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



22.2051, 0.3143, 0.1951



33.2961, 0.3140, 0.1741



20.7912, 0.3852, 0.2508



10.7965, 0.3132, 0.3062



9.8557, 0.3121, 0.1493



0.4728, 0.3140, 0.1504

Previews

White Background



This preview shows how the Yxy color 43.2337, 0.3066, 0.5080 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 43.2337, 0.3066, 0.5080 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 43.2337, 0.3066, 0.5080

Background



This preview shows how black text looks on a background with the Yxy color 43.2337, 0.3066, 0.5080.



This preview shows how white text looks on a background with the Yxy color 43.2337, 0.3066, 0.5080.

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

43.2337, 0.3066, 0.5080

Protanopia

42.6938, 0.4093, 0.4482

Deuteranopia

42.2448, 0.4226, 0.4138



Tritanopia

42.9797, 0.2515, 0.3073

Trichromacy



Original Color

43.2337, 0.3066, 0.5080



Protanomaly

41.5441, 0.3655, 0.4720



Deuteranomaly

40.9383, 0.3729, 0.4490



Tritanomaly

42.3943, 0.2724, 0.3772

Monochromacy



Original Color

43.2337, 0.3066, 0.5080



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.7067, 0.3106, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2337, 0.3066, 0.5080 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(90, 198, 86)` looks like.

```
.text, #text, p{  
    color:rgb(90, 198, 86)  
}
```

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(90, 198, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 198, 86) }
```

Border

The CSS property to change the border of an element to Yxy 43.2337, 0.3066, 0.5080 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(90, 198, 86) }
```

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

```
.border{ border-color:rgb(90, 198, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 198, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 198, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 198, 86);  
box-shadow:4px 4px 4px 4px rgb(90, 198,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2337, 0.3066, 0.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 198, 86) }
```

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

```
.background{ background-color: rgb(90, 198,  
86) }
```

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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