

Converting Colors

$Yxy(49.1403, 0.3157, 0.5345)$

Have a look what the booklet for
Yxy(49.1403, 0.3157, 0.5345)
contains.

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Color

Yxy(49.0222, 0.3159, 0.5344)

Conversions

Conversions Part 1

Format	Color
Hex	60D246
RGB	96, 210, 70
RGB Percent	38%, 82%, 27%
CMY	0.6234, 0.1765, 0.7254
CMYK	0.54, 0.00, 0.67, 0.18
HSL	109°, 61%, 55%
HSV	109°, 67%, 82%
XYZ	28.9785, 49.0222, 13.7325
YIQ	159.9540, -23.0040, -67.7080

Conversions

Conversions Part 2

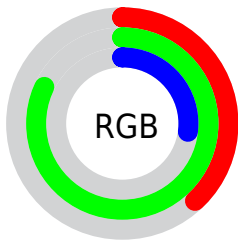
Format	Color
RYB	70, 210, 184
Decimal	6345286
CIELab	75.47, -57.72, 57.40
CIELCh	75, 81.404, 135.160
Yxy	49.0222, 0.3159, 0.5344
Android (android.graphics.Color)	4284535366 (0xFF60D246)
YUV	159.9540, -44.3473, -56.0877
Hunter-Lab	70.0159, -48.6493, 37.3823

Details

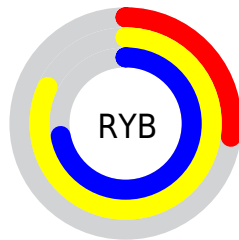
The Yxy color **49.0222, 0.3159, 0.5344** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **19.2266, 0.2903, 0.1661**, and the grayscale version is **35.3528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0432, 0.3221, 0.4855**, and **23.2706, 0.3042, 0.5967** is the 20% darker color. If you saturate the color by 10%, you get **47.9746, 0.3135, 0.5608**, and if you desaturate by 10%, it is **50.3683, 0.3174, 0.5033**.

Distribution



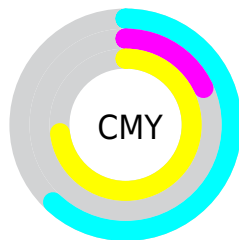
- Red (38%)
- Green (82%)
- Blue (27%)



- Red (27%)
- Yellow (82%)
- Blue (72%)



- Cyan (54%)
- Magenta (0%)
- Yellow (67%)
- Black (18%)




- Cyan (62%)
- Magenta (18%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0222, 0.3159, 0.5344 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 49.0222, 0.3159, 0.5344 by changing the saturation by 10% instead.


 49.0222, 0.3159,
0.5344


 49.0222, 0.3159,
0.5344


382.8297, 0.3216,
0.4259

 34.6371, 0.3116,
0.5619


 88.7244, 0.3200,
0.4943

 23.3835, 0.3043,
0.5967


 114.8103, 0.3209,
0.4794


 14.8769, 0.2916,
0.6412


 145.5653, 0.3215,
0.4668

 8.7330, 0.2720,
0.7068

 181.3737, 0.3217,
0.4562

 4.5675, 0.2278,
0.7722

 222.6199, 0.3218,
0.4470

 1.9958, 0.0985,
0.9015

269.6884, 0.3218,

 0.6050, 0.0000,

0.4390

1.0000

322.9636, 0.3218,
0.4321

■ 0.0000, 0.0000,
0.0000

■ 49.0222, 0.3159,
0.5344

■ 49.0222, 0.3159,
0.5344

■ 47.9746, 0.3135,
0.5608

■ 50.3683, 0.3174,
0.5033

■ 47.1961, 0.3103,
0.5805

■ 52.0275, 0.3179,
0.4697


■ 46.6607, 0.3067,
0.5925

■ 54.0207, 0.3177,
0.4358

■ 46.5251, 0.3057,
0.5955

■ 56.3650, 0.3168,
0.4033

■ 59.0766, 0.3155,
0.3730

 62.1704, 0.3139,
0.3456

 65.6608, 0.3121,
0.3212

 69.5612, 0.3103,
0.2997

 73.6223, 0.3112,
0.2846

Harmonies

Analogous

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



49.0222, 0.4143, 0.5149



49.0222, 0.3159, 0.5344



49.0222, 0.2216, 0.4548

Triad

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



49.0222, 0.3159, 0.5344



49.0222, 0.1475, 0.1827



49.0222, 0.4903, 0.2990

Complementary

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



49.0222, 0.3159, 0.5344



19.2266, 0.2903, 0.1661

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.



49.0222, 0.3887, 0.2369



49.0222, 0.3159, 0.5344



49.0222, 0.1927, 0.1732

Square

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



49.0222, 0.3159, 0.5344



49.0222, 0.1357, 0.2289



49.0222, 0.2757, 0.1925



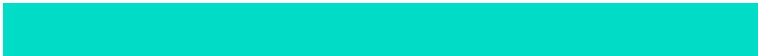
49.0222, 0.5280, 0.3695

Rectangle

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



49.0222, 0.3159, 0.5344



49.0222, 0.1749, 0.3671



49.0222, 0.2757, 0.1925



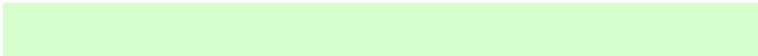
49.0222, 0.4614, 0.2770

Sweetspot

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



49.0243, 0.3159, 0.5344



90.0967, 0.3160, 0.3835



47.6023, 0.4244, 0.4548



19.0285, 0.3164, 0.3921



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.



49.0243, 0.3159, 0.5344



73.8777, 0.3122, 0.5700



48.5668, 0.2842, 0.4843



13.3104, 0.3143, 0.3528



28.4116, 0.3064, 0.5949



1.6210, 0.3182, 0.5855

Inverse Universe

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



19.2266, 0.2903, 0.1661



24.3553, 0.2833, 0.1441



20.9125, 0.3735, 0.2180



11.8934, 0.3108, 0.3059



8.1598, 0.2746, 0.1286



0.4857, 0.2836, 0.1336

Previews

White Background



This preview shows how the Yxy color 49.0222, 0.3159, 0.5344 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 49.0222, 0.3159, 0.5344 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 49.0222, 0.3159, 0.5344

Background



This preview shows how black text looks on a background with the Yxy color 49.0222, 0.3159, 0.5344.



This preview shows how white text looks on a background with the Yxy color 49.0222, 0.3159, 0.5344.

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

49.0222, 0.3159, 0.5344

Protanopia

48.1786, 0.4219, 0.4651

Deuteranopia

48.3028, 0.4399, 0.4308



Tritanopia

48.5184, 0.2528, 0.3071

Trichromacy



Original Color

49.0222, 0.3159, 0.5344



Protanomaly

47.0839, 0.3773, 0.4934



Deuteranomaly

46.3260, 0.3891, 0.4696



Tritanomaly

47.8888, 0.2784, 0.3901

Monochromacy



Original Color

49.0222, 0.3159, 0.5344



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.6915, 0.3174, 0.4085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0222, 0.3159, 0.5344 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(96, 210, 70)` looks like.

```
.text, #text, p{  
    color:rgb(96, 210, 70)  
}
```

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(96, 210, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 210, 70) }
```

Border

The CSS property to change the border of an element to Yxy 49.0222, 0.3159, 0.5344 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(96, 210, 70) }
```

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

```
.border{ border-color:rgb(96, 210, 70) }
```

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

Here you see how a box with a 4 pixel rgb(96, 210, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 210, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 210, 70);  
box-shadow:4px 4px 4px 4px rgb(96, 210,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0222, 0.3159, 0.5344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 210, 70) }
```

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

```
.background{ background-color: rgb(96, 210,  
70) }
```

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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