

Converting Colors

$Yxy(39.7698, 0.3039, 0.5383)$

Have a look what the booklet for
Yxy(39.7698, 0.3039, 0.5383)
contains.

Yxy(39.7622, 0.3038, 0.5384)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.7622, 0.3038, 0.5384)

Conversions

Conversions Part 1

Format	Color
Hex	44C142
RGB	68, 193, 66
RGB Percent	27%, 76%, 26%
CMY	0.7335, 0.2431, 0.7410
CMYK	0.65, 0.00, 0.66, 0.24
HSL	119°, 51%, 51%
HSV	119°, 66%, 76%
XYZ	22.4364, 39.7622, 11.6539
YIQ	141.1470, -33.7330, -65.9970

Conversions

Conversions Part 2

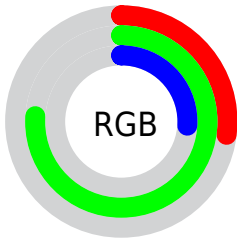
Format	Color
RYB	66, 193, 191
Decimal	4505922
CIELab	69.30, -58.66, 52.11
CIELCh	69, 78.463, 138.384
Yxy	39.7622, 0.3038, 0.5384
Android (android.graphics.Color)	4282696002 (0xFF44C142)
YUV	141.1470, -37.0475, -64.1499
Hunter-Lab	63.0573, -46.8382, 33.1824

Details

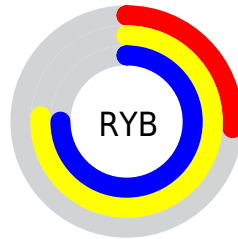
The Yxy color **39.7622, 0.3038, 0.5384** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **18.8414, 0.3173, 0.1807**, and the grayscale version is **26.8537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0721, 0.3103, 0.4953**, and **18.1770, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.9973, 0.3024, 0.5657**, and if you desaturate by 10%, it is **40.8287, 0.3054, 0.5057**.

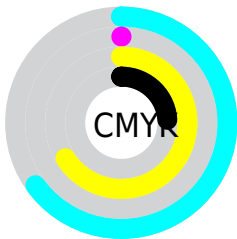
Distribution



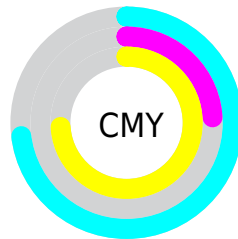
- Red (27%)
- Green (76%)
- Blue (26%)



- Red (26%)
- Yellow (76%)
- Blue (75%)



- Cyan (65%)
- Magenta (0%)
- Yellow (66%)
- Black (24%)



- Cyan (73%)
- Magenta (24%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7622, 0.3038, 0.5384 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 39.7622, 0.3038, 0.5384 by changing the saturation by 10% instead.


 39.7622, 0.3038,
0.5384


 39.7622, 0.3038,
0.5384


345.1203, 0.3156,
0.4232


 27.3532, 0.2976,
0.5694


 74.8013, 0.3103,
0.4945


 17.8387, 0.2874,
0.6097


 98.2001, 0.3121,
0.4786


 10.8342, 0.2699,
0.6628


 126.0310, 0.3133,
0.4654

 5.9555, 0.2455,
0.7545

 158.6784, 0.3141,
0.4542

 2.8180, 0.1752,
0.8248

 196.5266, 0.3147,
0.4447

 1.0375, 0.0000,
1.0000

239.9600, 0.3151,

 0.0000, 0.0000,

0.4366

0.0000

289.3631, 0.3154,
0.4294

■ 39.7622, 0.3038,
0.5384

■ 39.7622, 0.3038,
0.5384

■ 38.9973, 0.3024,
0.5657

■ 40.8287, 0.3054,
0.5057

■ 38.4987, 0.3012,
0.5855

■ 42.2182, 0.3070,
0.4705

■ 38.2308, 0.3004,
0.5966

■ 43.9558, 0.3085,
0.4351

■ 38.1610, 0.3003,
0.5998

■ 46.0627, 0.3099,
0.4015

■ 48.5585, 0.3111,
0.3708

■ 51.4615, 0.3122,
0.3433

■ 54.7886, 0.3131,
0.3193

■ 58.5560, 0.3138,
0.2984

■ 62.7789, 0.3144,
0.2805

Harmonies

Analogous

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



39.7622, 0.4054, 0.5257



39.7622, 0.3038, 0.5384



39.7622, 0.2095, 0.4455

Triad

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



39.7622, 0.3038, 0.5384



39.7622, 0.1468, 0.1762



39.7622, 0.5040, 0.3049

Complementary

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



39.7622, 0.3038, 0.5384



18.8414, 0.3173, 0.1807

Split Complementary

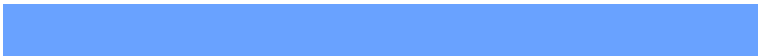
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.7622, 0.4039, 0.2405



39.7622, 0.3038, 0.5384



39.7622, 0.1966, 0.1702

Square

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



39.7622, 0.3038, 0.5384



39.7622, 0.1312, 0.2183



39.7622, 0.2857, 0.1928



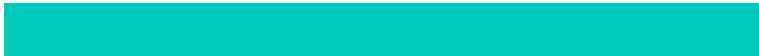
39.7622, 0.5336, 0.3772

Rectangle

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



39.7622, 0.3038, 0.5384



39.7622, 0.1649, 0.3534



39.7622, 0.2857, 0.1928



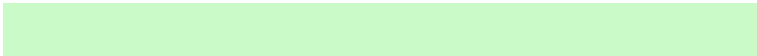
39.7622, 0.4766, 0.2823

Sweetspot

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



39.7639, 0.3038, 0.5384



84.8476, 0.3106, 0.3843



48.9455, 0.4039, 0.4754



17.9352, 0.3102, 0.3931



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.



39.7639, 0.3038, 0.5384



69.3864, 0.3018, 0.5756



40.8454, 0.2713, 0.4401



11.2659, 0.3118, 0.3528



25.3832, 0.3004, 0.5997



1.0993, 0.3018, 0.5986

Inverse Universe

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



18.8414, 0.3173, 0.1807



29.1558, 0.3175, 0.1629



16.8968, 0.4102, 0.2468



10.2395, 0.3135, 0.3063



9.8534, 0.3172, 0.1521



0.4282, 0.3181, 0.1526

Previews

White Background



This preview shows how the Yxy color 39.7622, 0.3038, 0.5384 looks on a white background.

Color Contrast Check

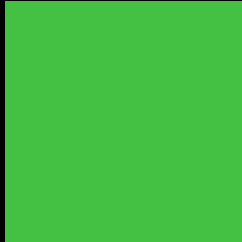
Large Text (above 18pt) WCAG AA × Fail

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 39.7622, 0.3038, 0.5384 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 39.7622, 0.3038, 0.5384

Background



This preview shows how black text looks on a background with the Yxy color 39.7622, 0.3038, 0.5384.



This preview shows how white text looks on a background with the Yxy color 39.7622, 0.3038, 0.5384.

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

39.7622, 0.3038, 0.5384

Protanopia

39.0124, 0.4213, 0.4626

Deuteranopia

39.0873, 0.4364, 0.4273



Tritanopia

39.6972, 0.2453, 0.3078

Trichromacy



Original Color

39.7622, 0.3038, 0.5384



Protanomaly

37.7214, 0.3688, 0.4952



Deuteranomaly

37.1542, 0.3784, 0.4708



Tritanomaly

38.9107, 0.2679, 0.3901

Monochromacy



Original Color

39.7622, 0.3038, 0.5384



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.9339, 0.3089, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7622, 0.3038, 0.5384 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(68, 193, 66)` looks like.

```
.text, #text, p{  
    color:rgb(68, 193, 66)  
}
```

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(68, 193, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 193, 66) }
```

Border

The CSS property to change the border of an element to Yxy 39.7622, 0.3038, 0.5384 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(68, 193, 66) }
```

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

```
.border{ border-color:rgb(68, 193, 66) }
```

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

Here you see how a box with a 4 pixel rgb(68, 193, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 193, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 193, 66);  
box-shadow:4px 4px 4px 4px rgb(68, 193,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7622, 0.3038, 0.5384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 193, 66) }
```

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

```
.background{ background-color: rgb(68, 193,  
66) }
```

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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