

Converting Colors

$Y_{xy}(40.0102, 0.3245, 0.5710)$

Have a look what the booklet for
Yxy(40.0102, 0.3245, 0.5710)
contains.

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Color

Yxy(39.9956, 0.3242, 0.5711)

Conversions

Conversions Part 1

Format	Color
Hex	52C117
RGB	82, 193, 23
RGB Percent	32%, 76%, 9%
CMY	0.6784, 0.2431, 0.9099
CMYK	0.58, 0.00, 0.88, 0.24
HSL	99°, 79%, 42%
HSV	99°, 88%, 76%
XYZ	22.7046, 39.9956, 7.3324
YIQ	140.4310, -11.5860, -76.4020

Conversions

Conversions Part 2

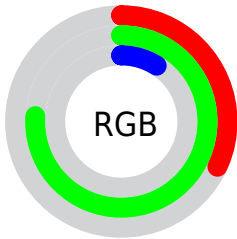
Format	Color
R_{YB}	23, 193, 134
Decimal	5423383
CIE Lab	69.47, -58.15, 65.99
CIE LCh	69, 87.954, 131.388
Yxy	39.9956, 0.3242, 0.5711
Android (android.graphics.Color)	4283613463 (0xFF52C117)
YUV	140.4310, -57.8935, -51.2440
Hunter-Lab	63.2421, -46.5903, 37.3953

Details

The Yxy color **39.9956, 0.3242, 0.5711** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed green. A complement of this color would be **9.5292, 0.2453, 0.1183**, and the grayscale version is **26.6365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9154, 0.3297, 0.5225**, and **18.1770, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.4296, 0.3192, 0.5834**, and if you desaturate by 10%, it is **40.7225, 0.3280, 0.5526**.

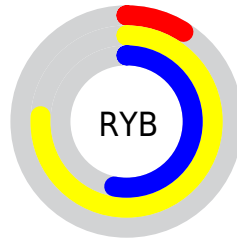
Distribution



Red (32%)

Green (76%)

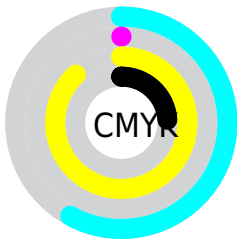
Blue (9%)



Red (9%)

Yellow (76%)

Blue (53%)

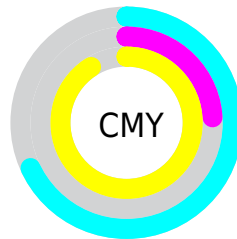


Cyan (58%)

Magenta (0%)

Yellow (88%)

Black (24%)



Cyan (68%)

Magenta (24%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9956, 0.3242, 0.5711 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 39.9956, 0.3242, 0.5711 by changing the saturation by 10% instead.


 39.9956, 0.3242,
0.5711


 39.9956, 0.3242,
0.5711


346.1050, 0.3296,
0.4409

 27.5351, 0.3177,
0.6036


 75.1568, 0.3297,
0.5230

 17.9755, 0.3061,
0.6436


 98.6263, 0.3307,
0.5050


 10.9324, 0.2891,
0.7017


 126.5343, 0.3310,
0.4899

 6.0214, 0.2485,
0.7515

 159.2652, 0.3310,
0.4771

 2.8581, 0.1803,
0.8197

 197.2033, 0.3308,
0.4661

 1.0581, 0.0000,
1.0000

 240.7330, 0.3305,

 0.0000, 0.0000,

0.4566

0.0000

290.2388, 0.3301,
0.4482

■ 39.9956, 0.3242,
0.5711

■ 39.9956, 0.3242,
0.5711

■ 39.4296, 0.3192,
0.5834

■ 40.7225, 0.3280,
0.5526

■ 39.3347, 0.3183,
0.5855

■ 41.6233, 0.3302,
0.5282

■ 42.7130, 0.3307,
0.4996

■ 44.0035, 0.3296,
0.4685

■ 45.5054, 0.3273,
0.4367

■ 47.2285, 0.3241,
0.4056

■ 49.1821, 0.3203,
0.3762

■ 51.3748, 0.3162,
0.3491

■ 53.8147, 0.3119,
0.3245

Harmonies

Analogous

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



39.9956, 0.4328, 0.5263



39.9956, 0.3242, 0.5711



39.9956, 0.2182, 0.4956

Triad

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



39.9956, 0.3242, 0.5711



39.9956, 0.1264, 0.1687



39.9956, 0.5055, 0.2830

Complementary

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



39.9956, 0.3242, 0.5711



9.5292, 0.2453, 0.1183

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.



39.9956, 0.3819, 0.2179



39.9956, 0.3242, 0.5711



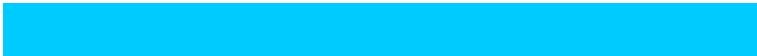
39.9956, 0.1698, 0.1556

Square

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



39.9956, 0.3242, 0.5711



39.9956, 0.1174, 0.2233



39.9956, 0.2553, 0.1730



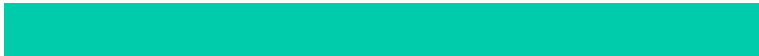
39.9956, 0.5565, 0.3572

Rectangle

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



39.9956, 0.3242, 0.5711



39.9956, 0.1641, 0.3912



39.9956, 0.2553, 0.1730



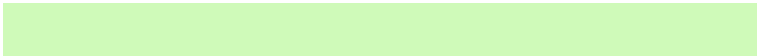
39.9956, 0.4694, 0.2598

Sweetspot

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



39.9973, 0.3242, 0.5711



85.1437, 0.3235, 0.4005



28.3109, 0.4814, 0.4453



18.0201, 0.3247, 0.4111



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.



39.9973, 0.3242, 0.5711



70.3236, 0.3173, 0.5863



38.5407, 0.2947, 0.5689



11.4250, 0.3167, 0.3524



26.2018, 0.3192, 0.5848



1.1707, 0.3375, 0.5702

Inverse Universe

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



9.5292, 0.2453, 0.1183



14.6977, 0.2336, 0.1061



14.7586, 0.3568, 0.1796



10.0669, 0.3084, 0.3059



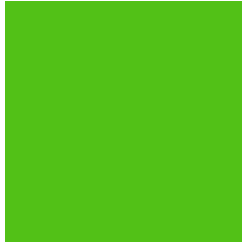
5.5568, 0.2360, 0.1074



0.2772, 0.2553, 0.1180

Previews

White Background



This preview shows how the Yxy color 39.9956, 0.3242, 0.5711 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 39.9956, 0.3242, 0.5711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

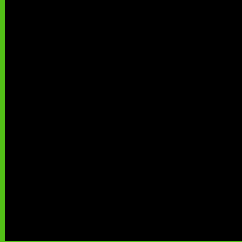
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9956, 0.3242, 0.5711

Background



This preview shows how black text looks on a background with the Yxy color 39.9956, 0.3242, 0.5711.



This preview shows how white text looks on a background with the Yxy color 39.9956, 0.3242, 0.5711.

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

39.9956, 0.3242, 0.5711

Protanopia

39.3548, 0.4383, 0.4859

Deuteranopia

39.3281, 0.4595, 0.4496



Tritanopia

39.9823, 0.2523, 0.3081

Trichromacy



Original Color

39.9956, 0.3242, 0.5711



Protanomaly

38.4606, 0.3907, 0.5220



Deuteranomaly

37.6380, 0.4046, 0.4976



Tritanomaly

39.1306, 0.2860, 0.4164

Monochromacy



Original Color

39.9956, 0.3242, 0.5711



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.5813, 0.3279, 0.4376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9956, 0.3242, 0.5711 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(82, 193, 23)` looks like.

```
.text, #text, p{  
    color:rgb(82, 193, 23)  
}
```

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(82, 193, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 193, 23) }
```

Border

The CSS property to change the border of an element to Yxy 39.9956, 0.3242, 0.5711 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(82, 193, 23) }
```

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

```
.border{ border-color:rgb(82, 193, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 193, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 193, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 193, 23);  
box-shadow:4px 4px 4px 4px rgb(82, 193,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9956, 0.3242, 0.5711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 193, 23) }
```

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

```
.background{ background-color: rgb(82, 193,  
23) }
```

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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