

Converting Colors

$Yxy(55.7531, 0.3043, 0.5210)$

Have a look what the booklet for
Yxy(55.7531, 0.3043, 0.5210)
contains.

Yxy(55.7377, 0.3042, 0.5209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(55.7377, 0.3042, 0.5209)$

Conversions

Conversions Part 1

Format	Color
Hex	5BDF5A
RGB	91, 223, 90
RGB Percent	36%, 87%, 35%
CMY	0.6430, 0.1255, 0.6471
CMYK	0.59, 0.00, 0.60, 0.13
HSL	120°, 68%, 61%
HSV	120°, 60%, 87%
XYZ	32.5502, 55.7377, 18.7148
YIQ	168.3700, -35.9790, -69.3470

Conversions

Conversions Part 2

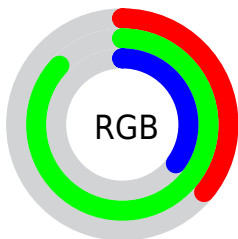
Format	Color
RYB	90, 223, 222
Decimal	6020954
CIELab	79.46, -61.67, 53.39
CIELCh	79, 81.570, 139.112
Yxy	55.7377, 0.3042, 0.5209
Android (android.graphics.Color)	4284211034 (0xFF5BDF5A)
YUV	168.3700, -38.6364, -67.8535
Hunter-Lab	74.6577, -52.8262, 37.3979

Details

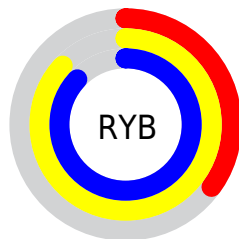
The Yxy color **55.7377, 0.3042, 0.5209** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **28.1634, 0.3181, 0.1903**, and the grayscale version is **39.5623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3059, 0.3112, 0.4634**, and **27.7588, 0.2937, 0.5773** is the 20% darker color. If you saturate the color by 10%, you get **54.4515, 0.3027, 0.5518**, and if you desaturate by 10%, it is **57.4739, 0.3058, 0.4861**.

Distribution



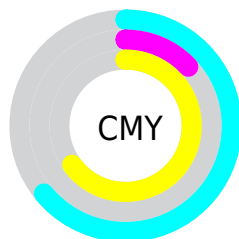
- Red (36%)
- Green (87%)
- Blue (35%)



- Red (35%)
- Yellow (87%)
- Blue (87%)



- Cyan (59%)
- Magenta (0%)
- Yellow (60%)
- Black (13%)



- Cyan (64%)
- Magenta (13%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7377, 0.3042, 0.5209 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 55.7377, 0.3042, 0.5209 by changing the saturation by 10% instead.


 55.7377, 0.3042,
0.5209


 55.7377, 0.3042,
0.5209

408.7022, 0.3144,
0.4208

 39.9927, 0.2996,
0.5462


 98.6210, 0.3094,
0.4841


 27.5328, 0.2926,
0.5783


 126.5280, 0.3109,
0.4703

 17.9738, 0.2812,
0.6200


 159.2578, 0.3120,
0.4588

 10.9312, 0.2620,
0.6747

 197.1947, 0.3128,
0.4489

 6.0206, 0.2343,
0.7657

240.7233, 0.3133,
0.4404

 2.8576, 0.1596,
0.8404

290.2278, 0.3138,

 1.0578, 0.0000,

0.4330

1.0000

346.0926, 0.3141,
0.4265

■ 0.0000, 0.0000,
0.0000

■ 55.7377, 0.3042,
0.5209

■ 55.7377, 0.3042,
0.5209

■ 54.4515, 0.3027,
0.5518

■ 57.4739, 0.3058,
0.4861

■ 53.5676, 0.3015,
0.5761

■ 59.6888, 0.3075,
0.4501

■ 53.0404, 0.3006,
0.5919

■ 62.4167, 0.3090,
0.4152

■ 52.7938, 0.3001,
0.5997

■ 65.6869, 0.3104,
0.3829

■ 52.7870, 0.3001,
0.5999

■ 69.5266, 0.3117,
0.3537

■ 73.9610, 0.3128,
0.3281

■ 79.0139, 0.3137,
0.3059

■ 81.2557, 0.3142,
0.2980

Harmonies

Analogous

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



55.7377, 0.4004, 0.5152



55.7377, 0.3042, 0.5209



55.7377, 0.2152, 0.4334

Triad

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



55.7377, 0.3042, 0.5209



55.7377, 0.1562, 0.1843



55.7377, 0.4924, 0.3095

Complementary

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



55.7377, 0.3042, 0.5209



28.1634, 0.3181, 0.1903

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.



55.7377, 0.4007, 0.2472



55.7377, 0.3042, 0.5209



55.7377, 0.2052, 0.1788

Square

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



55.7377, 0.3042, 0.5209



55.7377, 0.1406, 0.2245



55.7377, 0.2905, 0.2010



55.7377, 0.5198, 0.3792

Rectangle

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



55.7377, 0.3042, 0.5209



55.7377, 0.1729, 0.3496



55.7377, 0.2905, 0.2010



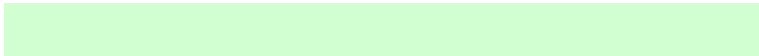
55.7377, 0.4673, 0.2876

Sweetspot

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



55.7400, 0.3042, 0.5209



89.7507, 0.3106, 0.3782



68.0252, 0.3982, 0.4664



18.9082, 0.3102, 0.3873



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.



55.7400, 0.3042, 0.5209



73.3901, 0.3023, 0.5596



57.2919, 0.2729, 0.4289



15.3423, 0.3117, 0.3532



31.0399, 0.3002, 0.5999



2.1533, 0.3007, 0.5994

Inverse Universe

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



28.1634, 0.3181, 0.1903



32.7663, 0.3187, 0.1711



25.4937, 0.3981, 0.2517



13.9299, 0.3137, 0.3059



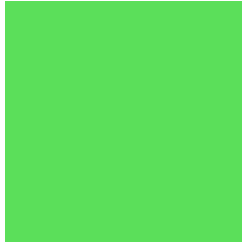
12.1974, 0.3190, 0.1531



0.8472, 0.3193, 0.1533

Previews

White Background



This preview shows how the Yxy color 55.7377, 0.3042, 0.5209 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 55.7377, 0.3042, 0.5209 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 55.7377, 0.3042, 0.5209

Background



This preview shows how black text looks on a background with the Yxy color 55.7377, 0.3042, 0.5209.



This preview shows how white text looks on a background with the Yxy color 55.7377, 0.3042, 0.5209.

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

55.7377, 0.3042, 0.5209

Protanopia

54.8408, 0.4134, 0.4545

Deuteranopia

54.5827, 0.4285, 0.4188



Tritanopia

55.3029, 0.2479, 0.3068

Trichromacy



Original Color

55.7377, 0.3042, 0.5209



Protanomaly

53.4564, 0.3658, 0.4827



Deuteranomaly

52.1490, 0.3754, 0.4571



Tritanomaly

54.6470, 0.2689, 0.3814

Monochromacy



Original Color

55.7377, 0.3042, 0.5209



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.4353, 0.3094, 0.4007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7377, 0.3042, 0.5209 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(91, 223, 90)` looks like.

```
.text, #text, p{  
    color:rgb(91, 223, 90)  
}
```

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(91, 223, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 223, 90) }
```

Border

The CSS property to change the border of an element to Yxy 55.7377, 0.3042, 0.5209 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(91, 223, 90) }
```

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

```
.border{ border-color:rgb(91, 223, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 223, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 223, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 223, 90);  
box-shadow:4px 4px 4px 4px rgb(91, 223,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7377, 0.3042, 0.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 223, 90) }
```

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

```
.background{ background-color: rgb(91, 223,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor