

Converting Colors

$Yxy(55.9450, 0.3021, 0.5313)$

Have a look what the booklet for
Yxy(55.9450, 0.3021, 0.5313)
contains.

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Color

Yxy(55.7452, 0.3024, 0.5311)

Conversions

Conversions Part 1

Format	Color
Hex	52E054
RGB	82, 224, 84
RGB Percent	32%, 88%, 33%
CMY	0.6781, 0.1216, 0.6705
CMYK	0.63, 0.00, 0.62, 0.12
HSL	121°, 70%, 60%
HSV	121°, 63%, 88%
XYZ	31.7404, 55.7452, 17.4761
YIQ	165.5820, -39.6920, -73.6440

Conversions

Conversions Part 2

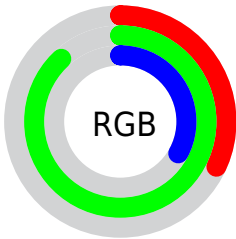
Format	Color
RYB	82, 222, 224
Decimal	5431380
CIELab	79.47, -64.61, 55.91
CIElCh	79, 85.443, 139.129
Yxy	55.7452, 0.3024, 0.5311
Android (android.graphics.Color)	4283621460 (0xFF52E054)
YUV	165.5820, -40.2199, -73.3014
Hunter-Lab	74.6627, -54.7762, 38.3860

Details

The Yxy color **55.7452, 0.3024, 0.5311** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted green. A complement of this color would be **27.1696, 0.3215, 0.1860**, and the grayscale version is **38.1437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4660, 0.3102, 0.4722**, and **27.7120, 0.2961, 0.5858** is the 20% darker color. If you saturate the color by 10%, you get **54.6076, 0.3012, 0.5600**, and if you desaturate by 10%, it is **57.3244, 0.3040, 0.4975**.

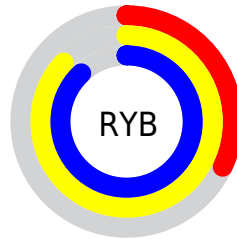
Distribution



Red (32%)

Green (88%)

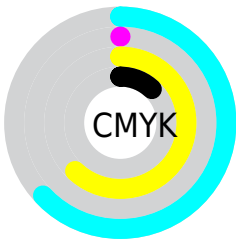
Blue (33%)



Red (32%)

Yellow (87%)

Blue (88%)

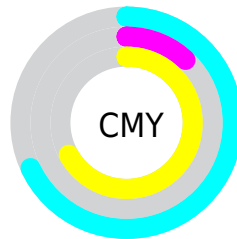


Cyan (63%)

Magenta (0%)

Yellow (62%)

Black (12%)



Cyan (68%)


Magenta (12%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7452, 0.3024, 0.5311 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 55.7452, 0.3024, 0.5311 by changing the saturation by 10% instead.


 55.7452, 0.3024,
0.5311

 55.7452, 0.3024,
0.5311

408.7306, 0.3141,
0.4256

 39.9987, 0.2972,
0.5577


 98.6319, 0.3083,
0.4923

 27.5375, 0.2893,
0.5913


 126.5409, 0.3100,
0.4778

 17.9773, 0.2765,
0.6347

 159.2729, 0.3113,
0.4656

 10.9337, 0.2553,
0.6911

 197.2122, 0.3122,
0.4552

 6.0223, 0.2226,
0.7774

240.7432, 0.3129,
0.4462

 2.8586, 0.1415,
0.8585

290.2503, 0.3134,

 1.0584, 0.0000,

0.4384

1.0000

346.1180, 0.3138,
0.4316

■ 0.0000, 0.0000,
0.0000

■ 55.7452, 0.3024,
0.5311

■ 55.7452, 0.3024,
0.5311

■ 54.6076, 0.3012,
0.5600

■ 57.3244, 0.3040,
0.4975

■ 53.8605, 0.3003,
0.5817

■ 59.3761, 0.3057,
0.4619


■ 53.4534, 0.3000,
0.5948

■ 61.9368, 0.3075,
0.4267


■ 53.3169, 0.2998,
0.5993

■ 65.0372, 0.3092,
0.3937

■ 68.7056, 0.3108,
0.3637

 72.9686, 0.3123,
0.3371

 77.8508, 0.3136,
0.3140

 81.7901, 0.3141,
0.2989

Harmonies

Analogous

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



55.7452, 0.4021, 0.5226



55.7452, 0.3024, 0.5311



55.7452, 0.2104, 0.4388

Triad

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



55.7452, 0.3024, 0.5311



55.7452, 0.1508, 0.1789



55.7452, 0.5007, 0.3078

Complementary

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



55.7452, 0.3024, 0.5311



27.1696, 0.3215, 0.1860

Split Complementary

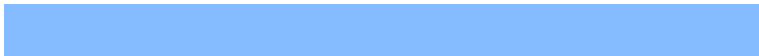
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.7452, 0.4046, 0.2439



55.7452, 0.3024, 0.5311



55.7452, 0.2009, 0.1735

Square

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



55.7452, 0.3024, 0.5311



55.7452, 0.1347, 0.2196



55.7452, 0.2892, 0.1965



55.7452, 0.5282, 0.3792

Rectangle

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



55.7452, 0.3024, 0.5311



55.7452, 0.1671, 0.3499



55.7452, 0.2892, 0.1965



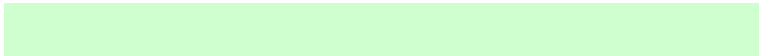
55.7452, 0.4746, 0.2854

Sweetspot

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



55.7475, 0.3024, 0.5311



89.2360, 0.3099, 0.3806



69.7674, 0.4007, 0.4745



18.8074, 0.3094, 0.3895



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.



55.7475, 0.3024, 0.5311



72.8869, 0.3008, 0.5678



57.4083, 0.2706, 0.4328



15.3403, 0.3114, 0.3529



31.0363, 0.2997, 0.5991



2.1524, 0.2990, 0.5964

Inverse Universe

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



27.1696, 0.3215, 0.1860



31.6695, 0.3229, 0.1689



24.1936, 0.4097, 0.2508



13.9322, 0.3140, 0.3062



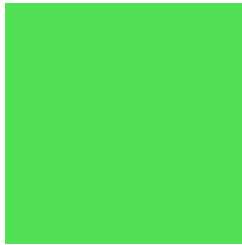
12.2626, 0.3243, 0.1560



0.8510, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 55.7452, 0.3024, 0.5311 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 55.7452, 0.3024, 0.5311 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

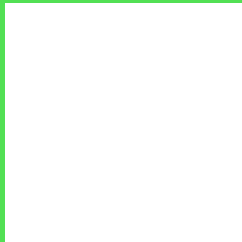
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.7452, 0.3024, 0.5311

Background



This preview shows how black text looks on a background with the Yxy color 55.7452, 0.3024, 0.5311.



This preview shows how white text looks on a background with the Yxy color 55.7452, 0.3024, 0.5311.

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

55.7452, 0.3024, 0.5311

Protanopia

54.9071, 0.4175, 0.4588

Deuteranopia

54.6448, 0.4334, 0.4237



Tritanopia

55.4908, 0.2453, 0.3067

Trichromacy



Original Color

55.7452, 0.3024, 0.5311



Protanomaly

53.1421, 0.3671, 0.4896



Deuteranomaly

52.1312, 0.3758, 0.4657



Tritanomaly

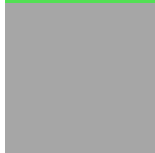
54.6993, 0.2672, 0.3861

Monochromacy



Original Color

55.7452, 0.3024, 0.5311



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

42.4691, 0.3083, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7452, 0.3024, 0.5311 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, 224, 84)` looks like.

```
.text, #text, p{  
  color:rgb(82, 224, 84)  
}
```

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, 224, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 224, 84) }
```

Border

The CSS property to change the border of an element to Yxy 55.7452, 0.3024, 0.5311 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, 224, 84) }
```

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

```
.border{ border-color:rgb(82, 224, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 224, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 224, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 224, 84);  
box-shadow:4px 4px 4px 4px rgb(82, 224,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7452, 0.3024, 0.5311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 224, 84) }
```

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

```
.background{ background-color: rgb(82, 224,  
84) }
```

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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