

Converting Colors

$Y_{xy}(41.2173, 0.2955, 0.5538)$

Have a look what the booklet for
Yxy(41.2173, 0.2955, 0.5538)
contains.

Yxy(41.2173, 0.2955, 0.5538)	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

Yxy(41.2173, 0.2955, 0.5538)

Conversions

Conversions Part 1

Format	Color
Hex	2AC63D
RGB	42, 198, 61
RGB Percent	16%, 78%, 24%
CMY	0.8352, 0.2235, 0.7606
CMYK	0.79, 0.00, 0.69, 0.22
HSL	127°, 65%, 47%
HSV	127°, 79%, 78%
XYZ	21.9930, 41.2173, 11.2160
YIQ	135.7380, -48.9990, -75.6790

Conversions

Conversions Part 2

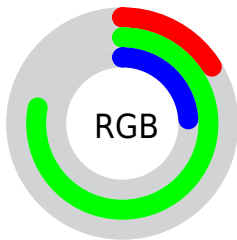
Format	Color
RYB	42, 181, 198
Decimal	2803261
CIELab	70.33, -65.14, 55.09
CIELCh	70, 85.311, 139.780
Yxy	41.2173, 0.2955, 0.5538
Android (android.graphics.Color)	4280993341 (0xFF2AC63D)
YUV	135.7380, -36.8458, -82.2082
Hunter-Lab	64.2007, -51.2032, 34.5824

Details

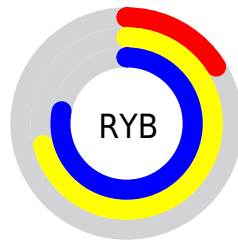
The Yxy color **41.2173, 0.2955, 0.5538** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **16.9191, 0.3454, 0.1812**, and the grayscale version is **24.6775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4026, 0.3044, 0.5064**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.7412, 0.2962, 0.5752**, and if you desaturate by 10%, it is **41.9637, 0.2957, 0.5267**.

Distribution



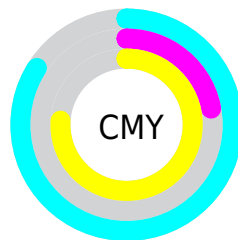
- Red (16%)
- Green (78%)
- Blue (24%)



- Red (16%)
- Yellow (71%)
- Blue (78%)



- Cyan (79%)
- Magenta (0%)
- Yellow (69%)
- Black (22%)





- Cyan (84%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2173, 0.2955, 0.5538 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 41.2173, 0.2955, 0.5538 by changing the saturation by 10% instead.

 41.2173, 0.2955,
0.5538

 41.2173, 0.2955,
0.5538


351.2280, 0.3126,
0.4303


 28.4889, 0.2877,
0.5868


 77.0137, 0.3042,
0.5069


 18.6945, 0.2753,
0.6293


 100.8504, 0.3067,
0.4898

 11.4498, 0.2549,
0.6847


 129.1588, 0.3085,
0.4756

 6.3702, 0.2253,
0.7747

 162.3231, 0.3098,
0.4636

 3.0715, 0.1516,
0.8484

 200.7278, 0.3108,
0.4534

 1.1692, 0.0000,
1.0000

244.7572, 0.3115,


 0.0363, 0.0000,


0.4446

1.0000

294.7958, 0.3121,
0.4370


 0.0000, 0.0000,
0.0000

 41.2173, 0.2955,
0.5538


 41.2173, 0.2955,
0.5538

 40.7412, 0.2962,
0.5752

 41.9637, 0.2957,
0.5267


 40.4802, 0.2975,
0.5899

 43.0073, 0.2969,
0.4959

 40.4551, 0.2976,
0.5913

 44.3774, 0.2988,
0.4636

 46.0983, 0.3013,
0.4316

 48.1920, 0.3041,
0.4013

■ 50.6787, 0.3071,
0.3734

■ 53.5772, 0.3101,
0.3485

■ 56.9050, 0.3131,
0.3265

■ 60.6786, 0.3158,
0.3073

Harmonies

Analogous

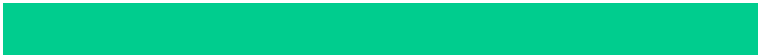
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.2173, 0.4027, 0.5398



41.2173, 0.2955, 0.5538



41.2173, 0.1979, 0.4483

Triad

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



41.2173, 0.2955, 0.5538



41.2173, 0.1397, 0.1665



41.2173, 0.5210, 0.3051

Complementary

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



41.2173, 0.2955, 0.5538



16.9191, 0.3454, 0.1812

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.



41.2173, 0.4161, 0.2378



41.2173, 0.2955, 0.5538



41.2173, 0.1930, 0.1623

Square

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



41.2173, 0.2955, 0.5538



41.2173, 0.1219, 0.2073



41.2173, 0.2886, 0.1872



41.2173, 0.5465, 0.3800

Rectangle

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



41.2173, 0.2955, 0.5538



41.2173, 0.1531, 0.3473



41.2173, 0.2886, 0.1872



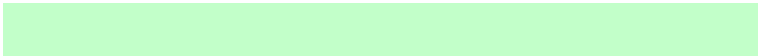
41.2173, 0.4930, 0.2815

Sweetspot

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



41.2190, 0.2955, 0.5538



87.1920, 0.3055, 0.3886



50.2360, 0.3961, 0.5052



18.3351, 0.3044, 0.3989



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.



41.2190, 0.2955, 0.5538



71.7727, 0.2972, 0.5870



42.7229, 0.2589, 0.4294



11.9086, 0.3100, 0.3499



26.3156, 0.2972, 0.5899



1.2532, 0.2893, 0.5616

Inverse Universe

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



16.9191, 0.3454, 0.1812



27.0043, 0.3530, 0.1732



14.6202, 0.4813, 0.2654



10.7935, 0.3156, 0.3090



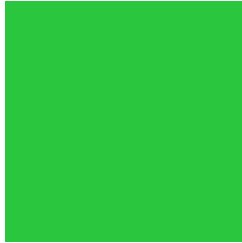
9.8005, 0.3539, 0.1723



0.4705, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 41.2173, 0.2955, 0.5538 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 41.2173, 0.2955, 0.5538 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 41.2173, 0.2955, 0.5538

Background



This preview shows how black text looks on a background with the Yxy color 41.2173, 0.2955, 0.5538.



This preview shows how white text looks on a background with the Yxy color 41.2173, 0.2955, 0.5538.

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

41.2173, 0.2955, 0.5538

Protanopia

40.4685, 0.4242, 0.4676

Deuteranopia

40.1706, 0.4405, 0.4317



Tritanopia

40.9919, 0.2384, 0.3065

Trichromacy



Original Color

41.2173, 0.2955, 0.5538



Protanomaly

38.6615, 0.3623, 0.5079



Deuteranomaly

37.5736, 0.3720, 0.4823



Tritanomaly

40.3746, 0.2606, 0.3969

Monochromacy



Original Color

41.2173, 0.2955, 0.5538



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.7252, 0.3022, 0.4206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2173, 0.2955, 0.5538 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(42, 198, 61)` looks like.

```
.text, #text, p{  
    color:rgb(42, 198, 61)  
}
```

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(42, 198, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 198, 61) }
```

Border

The CSS property to change the border of an element to Yxy 41.2173, 0.2955, 0.5538 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(42, 198, 61) }
```

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

```
.border{ border-color:rgb(42, 198, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 198, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 198, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 198, 61);  
box-shadow:4px 4px 4px 4px rgb(42, 198,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2173, 0.2955, 0.5538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 198, 61) }
```

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

```
.background{ background-color: rgb(42, 198,  
61) }
```

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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