

Converting Colors

$Y_{xy}(52.4592, 0.2832, 0.5396)$

Have a look what the booklet for
Yxy(52.4592, 0.2832, 0.5396)
contains.

Yxy(52.3688, 0.2831, 0.5392)	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(52.3688, 0.2831, 0.5392)

Conversions

Conversions Part 1

Format	Color
Hex	00DD55
RGB	0, 221, 85
RGB Percent	0%, 87%, 33%
CMY	1.0000, 0.1333, 0.6665
CMYK	1.00, 0.00, 0.62, 0.13
HSL	143°, 100%, 43%
HSV	143°, 100%, 87%
XYZ	27.4956, 52.3688, 17.2588
YIQ	139.4170, -88.0600, -89.1480

Conversions

Conversions Part 2

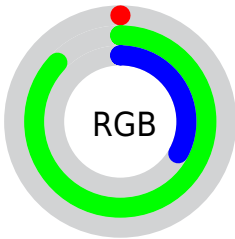
Format	Color
RYB	0, 160, 221
Decimal	56661
CIELab	77.50, -72.34, 52.97
CIELCh	78, 89.659, 143.786
Yxy	52.3688, 0.2831, 0.5392
Android (android.graphics.Color)	4278246741 (0xFF00DD55)
YUV	139.4170, -26.8276, -122.2687
Hunter-Lab	72.3663, -58.8200, 36.5162

Details

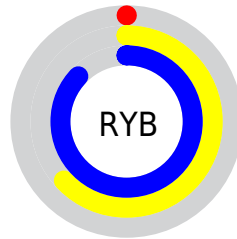
The Yxy color **52.3688, 0.2831, 0.5392** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **17.1498, 0.4496, 0.2251**, and the grayscale version is **26.1215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5099, 0.2910, 0.4790**, and **26.6396, 0.2952, 0.5825** is the 20% darker color. If you saturate the color by 10%, you get **52.3719, 0.2831, 0.5392**, and if you desaturate by 10%, it is **52.7810, 0.2798, 0.5195**.

Distribution



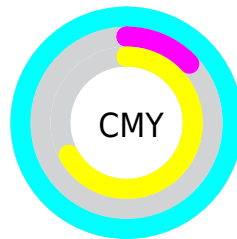
- Red (0%)
- Green (87%)
- Blue (33%)



- Red (0%)
- Yellow (63%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3688, 0.2831, 0.5392 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 52.3688, 0.2831, 0.5392 by changing the saturation by 10% instead.

 52.3688, 0.2831,
0.5392


 52.3688, 0.2831,
0.5392


395.8587, 0.3045,
0.4271

 37.2991, 0.2755,
0.5682


 93.6749, 0.2925,
0.4974


 25.4392, 0.2645,
0.6055


 120.6801, 0.2956,
0.4820

 16.4046, 0.2477,
0.6543


 152.4327, 0.2979,
0.4690

 9.8109, 0.2210,
0.7191

 189.3169, 0.2998,
0.4581

 5.2737, 0.1805,
0.8195

 231.7172, 0.3013,
0.4487

 2.4088, 0.0304,
0.9696

280.0181, 0.3026,

 0.8304, 0.0000,

0.4405

1.0000

334.6038, 0.3036,
0.4334

■ 0.0000, 0.0000,
0.0000

■ 52.3688, 0.2831,
0.5392

■ 52.3688, 0.2831,
0.5392

■ 52.3719, 0.2831,
0.5392

■ 52.7810, 0.2798,
0.5195

■ 53.4303, 0.2778,
0.4975

■ 54.3861, 0.2778,
0.4739

■ 55.6863, 0.2796,
0.4498

■ 57.3633, 0.2829,
0.4259

■ 59.4456, 0.2876,
0.4031

■ 61.9587, 0.2932,
0.3818

■ 64.9261, 0.2994,
0.3623

■ 68.3695, 0.3060,
0.3447

Harmonies

Analogous

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



52.3688, 0.3884, 0.5418



52.3688, 0.2831, 0.5392



52.3688, 0.1909, 0.4250

Triad

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



52.3688, 0.2831, 0.5392



52.3688, 0.1482, 0.1678



52.3688, 0.5235, 0.3159

Complementary

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



52.3688, 0.2831, 0.5392



17.1498, 0.4496, 0.2251

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.



52.3688, 0.4297, 0.2482



52.3688, 0.2831, 0.5392



52.3688, 0.2060, 0.1675

Square

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



52.3688, 0.2831, 0.5392



52.3688, 0.1262, 0.2027



52.3688, 0.3050, 0.1956



52.3688, 0.5380, 0.3908

Rectangle

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



52.3688, 0.2831, 0.5392



52.3688, 0.1507, 0.3290



52.3688, 0.3050, 0.1956



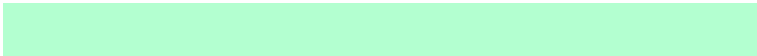
52.3688, 0.4998, 0.2924

Sweetspot

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



52.3719, 0.2831, 0.5392



85.5950, 0.2930, 0.3823



56.9738, 0.3531, 0.5579



17.9900, 0.2906, 0.3912



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.



52.3719, 0.2831, 0.5392



72.4039, 0.2835, 0.5406



55.6657, 0.2351, 0.3662



14.6888, 0.3064, 0.3437



30.4426, 0.2823, 0.5363



1.9888, 0.2731, 0.5031

Inverse Universe

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



17.1498, 0.4496, 0.2251



23.6906, 0.4509, 0.2258



15.4466, 0.6275, 0.3230



13.1855, 0.3196, 0.3147



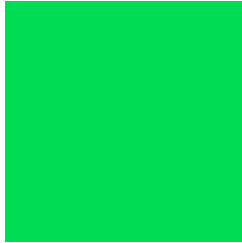
9.9848, 0.4471, 0.2237



0.6635, 0.4211, 0.2093

Previews

White Background



This preview shows how the Yxy color 52.3688, 0.2831, 0.5392 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 52.3688, 0.2831, 0.5392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

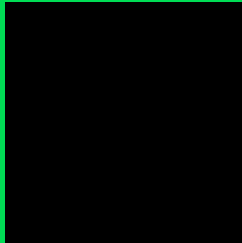
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3688, 0.2831, 0.5392

Background



This preview shows how black text looks on a background with the Yxy color 52.3688, 0.2831, 0.5392.

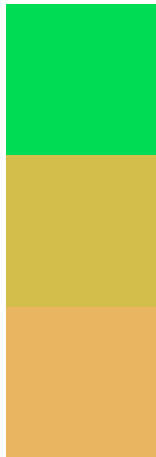


This preview shows how white text looks on a background with the Yxy color 52.3688, 0.2831, 0.5392.

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

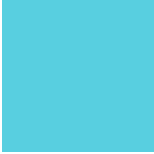
52.3688, 0.2831, 0.5392

Protanopia

51.1976, 0.4157, 0.4569

Deuteranopia

51.2345, 0.4287, 0.4201



Tritanopia

52.0822, 0.2336, 0.3057

Trichromacy



Original Color

52.3688, 0.2831, 0.5392



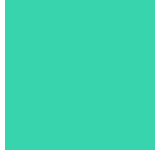
Protanomaly

47.4061, 0.3404, 0.5022



Deuteranomaly

46.5661, 0.3460, 0.4749



Tritanomaly

50.9449, 0.2492, 0.3880

Monochromacy



Original Color

52.3688, 0.2831, 0.5392



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

31.7826, 0.2843, 0.4194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3688, 0.2831, 0.5392 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(0, 221, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 85)  
}
```

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(0, 221, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 85) }
```

Border

The CSS property to change the border of an element to Yxy 52.3688, 0.2831, 0.5392 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(0, 221, 85) }
```

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

```
.border{ border-color:rgb(0, 221, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 221, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 221, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 52.3688, 0.2831, 0.5392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 85) }
```

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

```
.background{ background-color: rgb(0, 221,  
85) }
```

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