

Converting Colors

$Y_{xy}(42.1660, 0.2933, 0.5568)$

Have a look what the booklet for
Yxy(42.1660, 0.2933, 0.5568)
contains.

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Color

Yxy(41.9688, 0.2933, 0.5563)

Conversions

Conversions Part 1

Format	Color
Hex	21C83D
RGB	33, 200, 61
RGB Percent	13%, 78%, 24%
CMY	0.8699, 0.2157, 0.7608
CMYK	0.83, 0.00, 0.70, 0.22
HSL	130°, 72%, 46%
HSV	130°, 83%, 78%
XYZ	22.1274, 41.9688, 11.3466
YIQ	134.2210, -54.9130, -78.6330

Conversions

Conversions Part 2

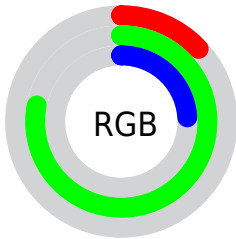
Format	Color
RYB	33, 176, 200
Decimal	2213949
CIELab	70.85, -66.76, 55.62
CIELCh	71, 86.900, 140.201
Yxy	41.9688, 0.2933, 0.5563
Android (android.graphics.Color)	4280404029 (0xFF21C83D)
YUV	134.2210, -36.0980, -88.7708
Hunter-Lab	64.7833, -52.4025, 34.9639

Details

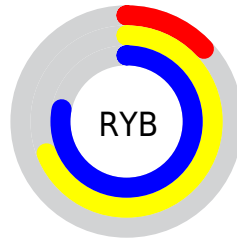
The Yxy color **41.9688, 0.2933, 0.5563** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **16.3619, 0.3585, 0.1843**, and the grayscale version is **24.0949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1373, 0.3026, 0.5073**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.5788, 0.2949, 0.5760**, and if you desaturate by 10%, it is **42.6142, 0.2928, 0.5311**.

Distribution



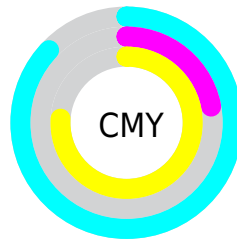
- Red (13%)
- Green (78%)
- Blue (24%)



- Red (13%)
- Yellow (69%)
- Blue (78%)



- Cyan (83%)
- Magenta (0%)
- Yellow (70%)
- Black (22%)





- Cyan (87%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9688, 0.2933, 0.5563 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 41.9688, 0.2933, 0.5563 by changing the saturation by 10% instead.


 41.9688, 0.2933,
0.5563

 41.9688, 0.2933,
0.5563

354.3536, 0.3116,
0.4316

 29.0769, 0.2852,
0.5895

 78.1524, 0.3024,
0.5090


 19.1390, 0.2725,
0.6322


 102.2129, 0.3051,
0.4918


 11.7707, 0.2517,
0.6877


 130.7649, 0.3070,
0.4774

 6.5878, 0.2218,
0.7782

 164.1930, 0.3085,
0.4653

 3.2057, 0.1496,
0.8504

 202.8816, 0.3096,
0.4550

 1.2400, 0.0000,
1.0000


247.2149, 0.3104,


 0.0940, 0.0000,


0.4461


1.0000


297.5774, 0.3111,
0.4384

 0.0000, 0.0000,
0.0000

 41.9688, 0.2933,
0.5563


 41.9688, 0.2933,
0.5563

 41.5788, 0.2949,
0.5760


 42.6142, 0.2928,
0.5311

 41.4194, 0.2960,
0.5858

 43.5446, 0.2935,
0.5021

 44.7909, 0.2952,
0.4713

 46.3788, 0.2977,
0.4403

 48.3311, 0.3008,
0.4106

■ 50.6687, 0.3043,
0.3830

■ 53.4111, 0.3079,
0.3581

■ 56.5761, 0.3115,
0.3359

■ 60.1807, 0.3150,
0.3165

Harmonies

Analogous

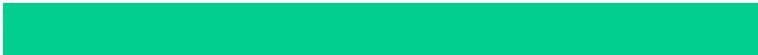
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9688, 0.4015, 0.5427



41.9688, 0.2933, 0.5563



41.9688, 0.1953, 0.4478

Triad

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



41.9688, 0.2933, 0.5563



41.9688, 0.1387, 0.1647



41.9688, 0.5245, 0.3055

Complementary

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



41.9688, 0.2933, 0.5563



16.3619, 0.3585, 0.1843

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.



41.9688, 0.4191, 0.2377



41.9688, 0.2933, 0.5563



41.9688, 0.1929, 0.1610

Square

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



41.9688, 0.2933, 0.5563



41.9688, 0.1203, 0.2050



41.9688, 0.2899, 0.1864



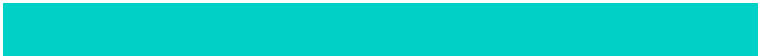
41.9688, 0.5486, 0.3809

Rectangle

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



41.9688, 0.2933, 0.5563



41.9688, 0.1507, 0.3452



41.9688, 0.2899, 0.1864



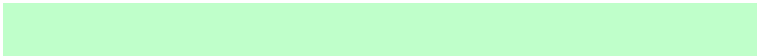
41.9688, 0.4966, 0.2818

Sweetspot

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



41.9705, 0.2933, 0.5563



86.8873, 0.3036, 0.3882



50.2109, 0.3903, 0.5158



18.2821, 0.3023, 0.3979



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.



41.9705, 0.2933, 0.5563



71.6909, 0.2965, 0.5874



43.6593, 0.2544, 0.4215



11.9163, 0.3094, 0.3488



26.3456, 0.2956, 0.5840



1.2567, 0.2858, 0.5487

Inverse Universe

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



16.3619, 0.3585, 0.1843



26.0380, 0.3692, 0.1808



14.0938, 0.5130, 0.2764



10.7851, 0.3163, 0.3100



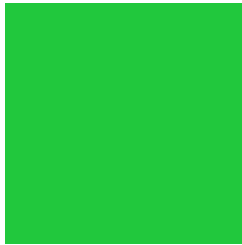
9.5850, 0.3677, 0.1799



0.4621, 0.3563, 0.1737

Previews

White Background



This preview shows how the Yxy color 41.9688, 0.2933, 0.5563 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 41.9688, 0.2933, 0.5563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

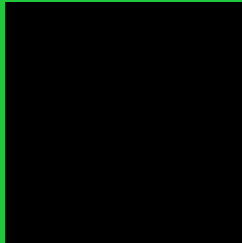
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9688, 0.2933, 0.5563

Background



This preview shows how black text looks on a background with the Yxy color 41.9688, 0.2933, 0.5563.



This preview shows how white text looks on a background with the Yxy color 41.9688, 0.2933, 0.5563.

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

41.9688, 0.2933, 0.5563

Protanopia

40.9779, 0.4243, 0.4679

Deuteranopia

40.8349, 0.4408, 0.4309



Tritanopia

41.7833, 0.2368, 0.3066

Trichromacy



Original Color

41.9688, 0.2933, 0.5563



Protanomaly

38.8196, 0.3590, 0.5105



Deuteranomaly

37.7762, 0.3694, 0.4844



Tritanomaly

41.1269, 0.2580, 0.3967

Monochromacy



Original Color

41.9688, 0.2933, 0.5563



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.0566, 0.2995, 0.4241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9688, 0.2933, 0.5563 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(33, 200, 61)` looks like.

```
.text, #text, p{  
  color:rgb(33, 200, 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(33, 200, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 200, 61) }
```

Border

The CSS property to change the border of an element to Yxy 41.9688, 0.2933, 0.5563 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(33, 200, 61) }
```

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

```
.border{ border-color:rgb(33, 200, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 200, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 200, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 200, 61);  
box-shadow:4px 4px 4px 4px rgb(33, 200,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9688, 0.2933, 0.5563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 200, 61) }
```

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

```
.background{ background-color: rgb(33, 200,  
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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