

Converting Colors

$Y_{xy}(51.5319, 0.2781, 0.5060)$

Have a look what the booklet for
Yxy(51.5319, 0.2781, 0.5060)
contains.

Yxy(51.5235, 0.2779, 0.5054)	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(51.5235, 0.2779, 0.5054)

Conversions

Conversions Part 1

Format	Color
Hex	22DA6A
RGB	34, 218, 106
RGB Percent	13%, 85%, 42%
CMY	0.8670, 0.1451, 0.5842
CMYK	0.84, 0.00, 0.51, 0.15
HSL	144°, 73%, 49%
HSV	144°, 84%, 85%
XYZ	28.3308, 51.5235, 22.0917
YIQ	150.2160, -73.7120, -73.8400

Conversions

Conversions Part 2

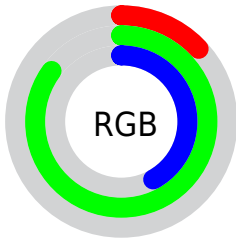
Format	Color
RYB	34, 166, 218
Decimal	2284138
CIELab	77.00, -66.84, 42.81
CIELCh	77, 79.379, 147.360
Yxy	51.5235, 0.2779, 0.5054
Android (android.graphics.Color)	4280474218 (0xFF22DA6A)
YUV	150.2160, -21.7985, -101.9214
Hunter-Lab	71.7799, -55.1626, 31.9982

Details

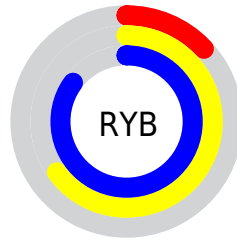
The Yxy color **51.5235, 0.2779, 0.5054** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **18.1169, 0.4248, 0.2220**, and the grayscale version is **30.7030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6006, 0.2850, 0.4518**, and **25.7656, 0.2854, 0.5473** is the 20% darker color. If you saturate the color by 10%, you get **51.0111, 0.2806, 0.5263**, and if you desaturate by 10%, it is **52.3170, 0.2770, 0.4826**.

Distribution



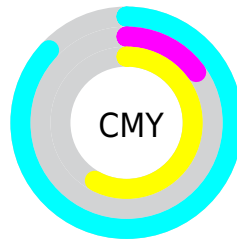
- Red (13%)
- Green (85%)
- Blue (42%)



- Red (13%)
- Yellow (65%)
- Blue (85%)



- Cyan (84%)
- Magenta (0%)
- Yellow (51%)
- Black (15%)





- Cyan (87%)
- Magenta (15%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5235, 0.2779, 0.5054 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 51.5235, 0.2779, 0.5054 by changing the saturation by 10% instead.


 51.5235, 0.2779,
0.5054


 51.5235, 0.2779,
0.5054


392.5943, 0.2997,
0.4112


 36.6254, 0.2710,
0.5303


 92.4281, 0.2869,
0.4700

 24.9176, 0.2613,
0.5627


 119.2034, 0.2899,
0.4571


 16.0157, 0.2469,
0.6063


 150.7066, 0.2924,
0.4462

 9.5352, 0.2243,
0.6667

 187.3221, 0.2944,
0.4371

 5.0919, 0.1911,
0.7695

 229.4342, 0.2961,
0.4292

 2.3013, 0.0637,
0.9363

277.4273, 0.2975,

 0.7744, 0.0000,

0.4224

1.0000

331.6859, 0.2986,
0.4165

■ 0.0000, 0.0000,
0.0000

■ 51.5235, 0.2779,
0.5054

■ 51.5235, 0.2779,
0.5054

■ 51.0111, 0.2806,
0.5263

■ 52.3170, 0.2770,
0.4826

■ 50.8083, 0.2825,
0.5370

■ 53.4258, 0.2781,
0.4589

■ 54.8852, 0.2808,
0.4351

■ 56.7242, 0.2850,
0.4120

■ 58.9685, 0.2903,
0.3903

 61.6417, 0.2964,
0.3702

 64.7654, 0.3029,
0.3520

 68.3597, 0.3097,
0.3357

 72.4436, 0.3165,
0.3212

Harmonies

Analogous

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



51.5235, 0.3747, 0.5248



51.5235, 0.2779, 0.5054



51.5235, 0.1957, 0.3989

Triad

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



51.5235, 0.2779, 0.5054



51.5235, 0.1663, 0.1799



51.5235, 0.5071, 0.3282

Complementary

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



51.5235, 0.2779, 0.5054



18.1169, 0.4248, 0.2220

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.



51.5235, 0.4300, 0.2633



51.5235, 0.2779, 0.5054



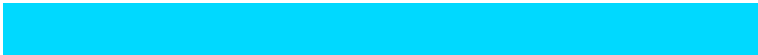
51.5235, 0.2251, 0.1824

Square

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



51.5235, 0.2779, 0.5054



51.5235, 0.1419, 0.2094



51.5235, 0.3195, 0.2117



51.5235, 0.5145, 0.3993

Rectangle

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



51.5235, 0.2779, 0.5054



51.5235, 0.1608, 0.3171



51.5235, 0.3195, 0.2117



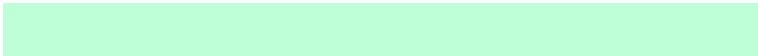
51.5235, 0.4883, 0.3056

Sweetspot

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



51.5256, 0.2779, 0.5054



87.5981, 0.2959, 0.3717



56.5043, 0.3589, 0.5412



18.4487, 0.2937, 0.3786



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.



51.5256, 0.2779, 0.5054



72.4379, 0.2829, 0.5386



54.4942, 0.2361, 0.3599



14.6903, 0.3063, 0.3436



30.4572, 0.2817, 0.5343



1.9898, 0.2725, 0.5012

Inverse Universe

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



18.1169, 0.4248, 0.2220



23.6304, 0.4538, 0.2274



16.3245, 0.5835, 0.3156



13.1839, 0.3197, 0.3149



9.9597, 0.4499, 0.2252



0.6620, 0.4233, 0.2105

Previews

White Background



This preview shows how the Yxy color 51.5235, 0.2779, 0.5054 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 51.5235, 0.2779, 0.5054 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

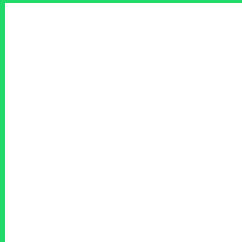
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.5235, 0.2779, 0.5054

Background



This preview shows how black text looks on a background with the Yxy color 51.5235, 0.2779, 0.5054.

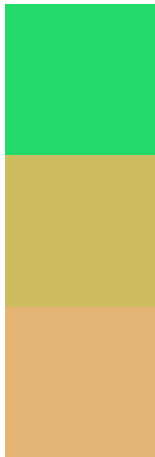


This preview shows how white text looks on a background with the Yxy color 51.5235, 0.2779, 0.5054.

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

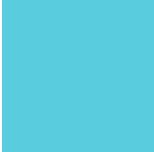
51.5235, 0.2779, 0.5054

Protanopia

50.2209, 0.4021, 0.4380

Deuteranopia

50.3975, 0.4104, 0.4019



Tritanopia

51.0604, 0.2342, 0.3056

Trichromacy



Original Color

51.5235, 0.2779, 0.5054



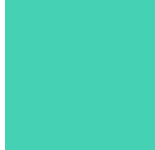
Protanomaly

47.7867, 0.3384, 0.4701



Deuteranomaly

46.9215, 0.3423, 0.4446



Tritanomaly

50.6537, 0.2489, 0.3736

Monochromacy



Original Color

51.5235, 0.2779, 0.5054



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.5693, 0.2886, 0.3977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5235, 0.2779, 0.5054 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(34, 218, 106)` looks like.

```
.text, #text, p{  
    color:rgb(34, 218, 106)  
}
```

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(34, 218, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 218, 106) }
```

Border

The CSS property to change the border of an element to Yxy 51.5235, 0.2779, 0.5054 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(34, 218, 106) }
```

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

```
.border{ border-color:rgb(34, 218, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 218, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 218, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 218, 106);  
box-shadow:4px 4px 4px 4px rgb(34, 218,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5235, 0.2779, 0.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 218, 106) }
```

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

```
.background{ background-color: rgb(34, 218,  
106) }
```

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