

Converting Colors

$Yxy(52.8167, 0.2817, 0.5047)$

Have a look what the booklet for
Yxy(52.8167, 0.2817, 0.5047)
contains.

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Color

Yxy(52.9051, 0.2818, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	32DC6A
RGB	50, 220, 106
RGB Percent	20%, 86%, 42%
CMY	0.8045, 0.1372, 0.5843
CMYK	0.77, 0.00, 0.52, 0.14
HSL	140°, 71%, 53%
HSV	140°, 77%, 86%
XYZ	29.5046, 52.9051, 22.2907
YIQ	156.1740, -64.7260, -71.4940

Conversions

Conversions Part 2

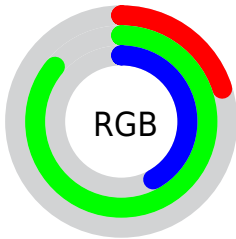
Format	Color
RYB	50, 178, 220
Decimal	3333226
CIELab	77.82, -65.84, 43.88
CIELCh	78, 79.127, 146.318
Yxy	52.9051, 0.2818, 0.5053
Android (android.graphics.Color)	4281523306 (0xFF32DC6A)
YUV	156.1740, -24.7358, -93.1146
Hunter-Lab	72.7359, -54.8811, 32.7451

Details

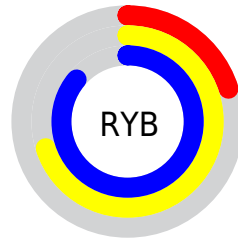
The Yxy color **52.9051, 0.2818, 0.5053** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted spring green. A complement of this color would be **20.1621, 0.3952, 0.2134**, and the grayscale version is **33.4443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2342, 0.2890, 0.4505**, and **26.4702, 0.2857, 0.5486** is the 20% darker color. If you saturate the color by 10%, you get **52.1968, 0.2833, 0.5287**, and if you desaturate by 10%, it is **53.9386, 0.2820, 0.4800**.

Distribution



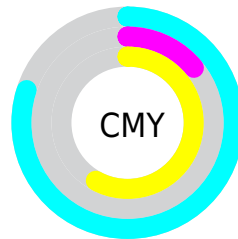
- Red (20%)
- Green (86%)
- Blue (42%)



- Red (20%)
- Yellow (70%)
- Blue (86%)



- Cyan (77%)
- Magenta (0%)
- Yellow (52%)
- Black (14%)





- Cyan (80%)
- Magenta (14%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9051, 0.2818, 0.5053 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 52.9051, 0.2818, 0.5053 by changing the saturation by 10% instead.

 52.9051, 0.2818,
0.5053


 52.9051, 0.2818,
0.5053


397.9209, 0.3016,
0.4117

 37.7270, 0.2754,
0.5298


 94.4647, 0.2901,
0.4703

 25.7709, 0.2663,
0.5617


 121.6150, 0.2929,
0.4574


 16.6523, 0.2528,
0.6043


 153.5249, 0.2951,
0.4466

 9.9869, 0.2314,
0.6629

 190.5786, 0.2969,
0.4375

 5.3903, 0.1997,
0.7601

 233.1607, 0.2984,
0.4297

 2.4780, 0.0975,
0.9025

281.6556, 0.2997,


 0.8656, 0.0000,


0.4229


1.0000


336.4475, 0.3007,
0.4169


 0.0000, 0.0000,
0.0000

 52.9051, 0.2818,
0.5053


 52.9051, 0.2818,
0.5053


 52.1968, 0.2833,
0.5287

 53.9386, 0.2820,
0.4800


 51.7590, 0.2864,
0.5492

 55.3274, 0.2839,
0.4539

 51.6678, 0.2873,
0.5541

 57.1049, 0.2872,
0.4282

 59.2991, 0.2916,
0.4036

 61.9351, 0.2968,
0.3808

 65.0361, 0.3025,
0.3600

 68.6236, 0.3084,
0.3413

 72.7177, 0.3143,
0.3248

 77.3374, 0.3201,
0.3103

Harmonies

Analogous

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



52.9051, 0.3777, 0.5217



52.9051, 0.2818, 0.5053



52.9051, 0.1993, 0.4025

Triad

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



52.9051, 0.2818, 0.5053



52.9051, 0.1663, 0.1817



52.9051, 0.5033, 0.3261

Complementary

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



52.9051, 0.2818, 0.5053



20.1621, 0.3952, 0.2134

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.



52.9051, 0.4251, 0.2619



52.9051, 0.2818, 0.5053



52.9051, 0.2234, 0.1831

Square

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



52.9051, 0.2818, 0.5053



52.9051, 0.1431, 0.2125



52.9051, 0.3158, 0.2113



52.9051, 0.5134, 0.3966

Rectangle

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



52.9051, 0.2818, 0.5053



52.9051, 0.1637, 0.3214



52.9051, 0.3158, 0.2113



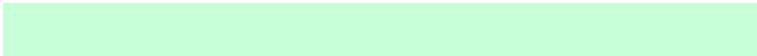
52.9051, 0.4839, 0.3038

Sweetspot

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



52.9073, 0.2818, 0.5053



88.2452, 0.2991, 0.3719



59.5422, 0.3685, 0.5235



18.5642, 0.2971, 0.3797



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.



52.9073, 0.2818, 0.5053



72.4934, 0.2852, 0.5423



55.5329, 0.2430, 0.3741



14.6767, 0.3071, 0.3451



30.3383, 0.2865, 0.5513



1.9811, 0.2772, 0.5179

Inverse Universe

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



20.1621, 0.3952, 0.2134



24.8524, 0.4188, 0.2108



18.0813, 0.5373, 0.3023



13.1980, 0.3188, 0.3135



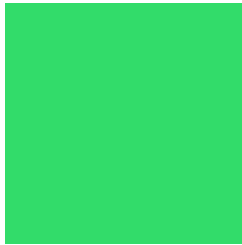
10.1953, 0.4255, 0.2117



0.6762, 0.4042, 0.2000

Previews

White Background



This preview shows how the Yxy color 52.9051, 0.2818, 0.5053 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 52.9051, 0.2818, 0.5053 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 52.9051, 0.2818, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 52.9051, 0.2818, 0.5053.

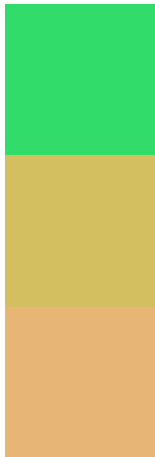


This preview shows how white text looks on a background with the Yxy color 52.9051, 0.2818, 0.5053.

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

52.9051, 0.2818, 0.5053

Protanopia

51.9550, 0.4029, 0.4398

Deuteranopia

51.7058, 0.4119, 0.4031



Tritanopia

52.4943, 0.2365, 0.3059

Trichromacy



Original Color

52.9051, 0.2818, 0.5053



Protanomaly

49.8366, 0.3432, 0.4703



Deuteranomaly

48.6490, 0.3486, 0.4441



Tritanomaly

52.0854, 0.2524, 0.3744

Monochromacy



Original Color

52.9051, 0.2818, 0.5053



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.8571, 0.2928, 0.3953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9051, 0.2818, 0.5053 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(50, 220, 106)` looks like.

```
.text, #text, p{  
    color:rgb(50, 220, 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(50, 220, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 220, 106) }
```

Border

The CSS property to change the border of an element to Yxy 52.9051, 0.2818, 0.5053 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(50, 220, 106) }
```

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

```
.border{ border-color:rgb(50, 220, 106) }
```

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

Here you see how a box with a 4 pixel rgb(50, 220, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 220, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 220, 106);  
box-shadow:4px 4px 4px 4px rgb(50, 220,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9051, 0.2818, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 220, 106) }
```

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

```
.background{ background-color: rgb(50, 220,  
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](#).

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