

Converting Colors

$Yxy(51.9145, 0.2914, 0.5433)$

Have a look what the booklet for
Yxy(51.9145, 0.2914, 0.5433)
contains.

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Color

Yxy(51.7486, 0.2914, 0.5434)

Conversions

Conversions Part 1

Format	Color
Hex	2CDB4E
RGB	44, 219, 78
RGB Percent	17%, 86%, 31%
CMY	0.8268, 0.1412, 0.6941
CMYK	0.80, 0.00, 0.64, 0.14
HSL	132°, 71%, 52%
HSV	132°, 80%, 86%
XYZ	27.7504, 51.7486, 15.7322
YIQ	150.6010, -59.0390, -80.9510

Conversions

Conversions Part 2

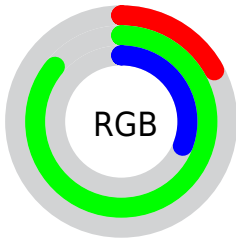
Format	Color
RYB	44, 191, 219
Decimal	2939726
CIELab	77.13, -69.72, 55.62
CIELCh	77, 89.191, 141.419
Yxy	51.7486, 0.2914, 0.5434
Android (android.graphics.Color)	4281129806 (0xFF2CDB4E)
YUV	150.6010, -35.7923, -93.4891
Hunter-Lab	71.9365, -57.0304, 37.3891

Details

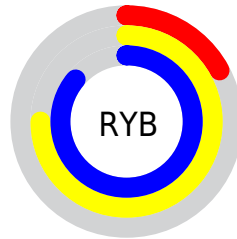
The Yxy color **51.7486, 0.2914, 0.5434** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **20.3830, 0.3630, 0.1902**, and the grayscale version is **30.9636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1790, 0.2997, 0.4852**, and **25.8811, 0.2977, 0.5917** is the 20% darker color. If you saturate the color by 10%, you get **51.1650, 0.2929, 0.5656**, and if you desaturate by 10%, it is **52.6603, 0.2912, 0.5167**.

Distribution



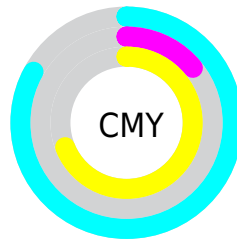
- Red (17%)
- Green (86%)
- Blue (31%)



- Red (17%)
- Yellow (75%)
- Blue (86%)



- Cyan (80%)
- Magenta (0%)
- Yellow (64%)
- Black (14%)





- Cyan (83%)
- Magenta (14%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7486, 0.2914, 0.5434 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 51.7486, 0.2914, 0.5434 by changing the saturation by 10% instead.


 51.7486, 0.2914,
0.5434


 51.7486, 0.2914,
0.5434


393.4653, 0.3092,
0.4294

 36.8047, 0.2844,
0.5727


 92.7604, 0.2997,
0.5010

 25.0563, 0.2739,
0.6101


 119.5971, 0.3023,
0.4853


 16.1190, 0.2576,
0.6586


 151.1668, 0.3043,
0.4721

 9.6084, 0.2316,
0.7242

 187.8540, 0.3057,
0.4610

 5.1401, 0.1883,
0.8117

 230.0431, 0.3069,
0.4514

 2.3297, 0.0413,
0.9587

278.1184, 0.3079,

 0.7894, 0.0000,

0.4431

1.0000

332.4643, 0.3086,
0.4358

■ 0.0000, 0.0000,
0.0000

■ 51.7486, 0.2914,
0.5434

■ 51.7486, 0.2914,
0.5434

■ 51.1650, 0.2929,
0.5656

■ 52.6603, 0.2912,
0.5167

■ 50.8360, 0.2951,
0.5822

■ 53.9340, 0.2922,
0.4872

■ 50.8315, 0.2951,
0.5825

■ 55.6060, 0.2944,
0.4567

■ 57.7066, 0.2973,
0.4268

■ 60.2630, 0.3009,
0.3985

63.3001, 0.3048,
0.3726

66.8411, 0.3088,
0.3493

70.9077, 0.3128,
0.3287

75.5201, 0.3166,
0.3107

Harmonies

Analogous

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



51.7486, 0.3964, 0.5376



51.7486, 0.2914, 0.5434



51.7486, 0.1971, 0.4364

Triad

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



51.7486, 0.2914, 0.5434



51.7486, 0.1454, 0.1693



51.7486, 0.5185, 0.3103

Complementary

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



51.7486, 0.2914, 0.5434



20.3830, 0.3630, 0.1902

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.



51.7486, 0.4199, 0.2435



51.7486, 0.2914, 0.5434



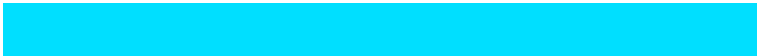
51.7486, 0.2001, 0.1666

Square

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



51.7486, 0.2914, 0.5434



51.7486, 0.1261, 0.2075



51.7486, 0.2958, 0.1925



51.7486, 0.5395, 0.3846

Rectangle

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



51.7486, 0.2914, 0.5434



51.7486, 0.1545, 0.3397



51.7486, 0.2958, 0.1925



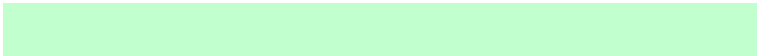
51.7486, 0.4927, 0.2870

Sweetspot

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



51.7507, 0.2914, 0.5434



87.4018, 0.3031, 0.3836



61.4025, 0.3872, 0.5139



18.3841, 0.3017, 0.3930



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.



51.7507, 0.2914, 0.5434



71.8870, 0.2945, 0.5778



53.8678, 0.2532, 0.4127



14.6472, 0.3090, 0.3484



30.1537, 0.2946, 0.5804



1.9657, 0.2864, 0.5509

Inverse Universe

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



20.3830, 0.3630, 0.1902



26.0172, 0.3753, 0.1853



17.7842, 0.5074, 0.2786



13.2294, 0.3167, 0.3103



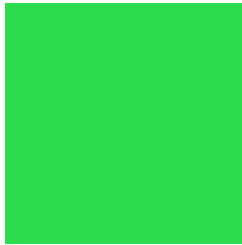
10.8188, 0.3766, 0.1848



0.7122, 0.3658, 0.1789

Previews

White Background



This preview shows how the Yxy color 51.7486, 0.2914, 0.5434 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 51.7486, 0.2914, 0.5434 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

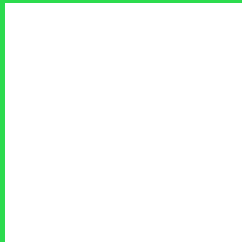
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7486, 0.2914, 0.5434

Background



This preview shows how black text looks on a background with the Yxy color 51.7486, 0.2914, 0.5434.

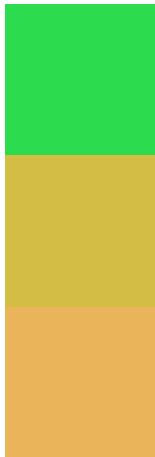


This preview shows how white text looks on a background with the Yxy color 51.7486, 0.2914, 0.5434.

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

51.7486, 0.2914, 0.5434

Protanopia

50.6737, 0.4202, 0.4616

Deuteranopia

50.7043, 0.4343, 0.4253



Tritanopia

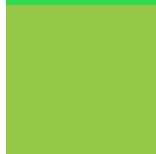
51.4234, 0.2369, 0.3057

Trichromacy



Original Color

51.7486, 0.2914, 0.5434



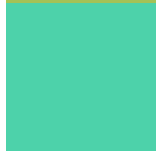
Protanomaly

48.2605, 0.3573, 0.5012



Deuteranomaly

47.1480, 0.3649, 0.4742



Tritanomaly

50.5732, 0.2567, 0.3891

Monochromacy



Original Color

51.7486, 0.2914, 0.5434



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.9506, 0.2990, 0.4159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7486, 0.2914, 0.5434 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(44, 219, 78)` looks like.

```
.text, #text, p{  
    color:rgb(44, 219, 78)  
}
```

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(44, 219, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 219, 78) }
```

Border

The CSS property to change the border of an element to Yxy 51.7486, 0.2914, 0.5434 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(44, 219, 78) }
```

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

```
.border{ border-color:rgb(44, 219, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 219, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 219, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 219, 78);  
box-shadow:4px 4px 4px 4px rgb(44, 219,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7486, 0.2914, 0.5434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 219, 78) }
```

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

```
.background{ background-color: rgb(44, 219,  
78) }
```

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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