

Converting Colors

$Y_{xy}(54.1296, 0.2990, 0.5863)$

Have a look what the booklet for
Yxy(54.1296, 0.2990, 0.5863)
contains.

Yxy(54.1784, 0.2990, 0.5864)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.1784, 0.2990, 0.5864)

Conversions

Conversions Part 1

Format	Color
Hex	19E123
RGB	25, 225, 35
RGB Percent	10%, 88%, 14%
CMY	0.9028, 0.1176, 0.8629
CMYK	0.89, 0.00, 0.84, 0.12
HSL	123°, 80%, 49%
HSV	123°, 89%, 88%
XYZ	27.6251, 54.1784, 10.5881
YIQ	143.5400, -58.2100, -101.4900

Conversions

Conversions Part 2

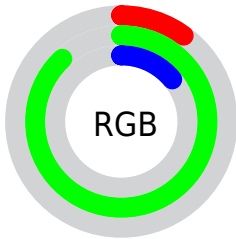
Format	Color
R _Y B	25, 215, 225
Decimal	1696035
CIE Lab	78.57, -76.41, 71.07
CIE LCh	79, 104.355, 137.072
Yxy	54.1784, 0.2990, 0.5864
Android (android.graphics.Color)	4279886115 (0xFF19E123)
YUV	143.5400, -53.5102, -103.9596
Hunter-Lab	73.6060, -61.8176, 42.9954

Details

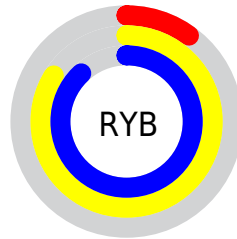
The Yxy color **54.1784, 0.2990, 0.5864** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **21.5930, 0.3324, 0.1645**, and the grayscale version is **27.9057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1339, 0.3108, 0.5234**, and **28.0053, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.9009, 0.2993, 0.5968**, and if you desaturate by 10%, it is **54.7554, 0.2990, 0.5679**.

Distribution



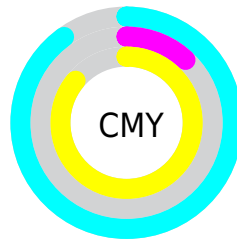
- Red (10%)
- Green (88%)
- Blue (14%)



- Red (10%)
- Yellow (84%)
- Blue (88%)



- Cyan (89%)
- Magenta (0%)
- Yellow (84%)
- Black (12%)



- Cyan (90%)
- Magenta (12%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1784, 0.2990, 0.5864 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 54.1784, 0.2990, 0.5864 by changing the saturation by 10% instead.


 54.1784, 0.2990,
0.5864

 54.1784, 0.2990,
0.5864

402.7899, 0.3174,
0.4521

 38.7443, 0.2904,
0.6189

 96.3361, 0.3087,
0.5377

 26.5609, 0.2773,
0.6586


 123.8286, 0.3114,
0.5193

 17.2437, 0.2566,
0.7071

 156.1092, 0.3133,
0.5036

 10.4084, 0.2263,
0.7737

 193.5625, 0.3147,
0.4903

 5.6706, 0.1719,
0.8281

 236.5729, 0.3157,
0.4787

 2.6458, 0.0323,
0.9677

 285.5246, 0.3165,

 0.9498, 0.0000,

0.4687

1.0000

340.8022, 0.3170,
0.4599

■ 0.0000, 0.0000,
0.0000

■ 54.1784, 0.2990,
0.5864

■ 54.1784, 0.2990,
0.5864

■ 53.9009, 0.2993,
0.5968

■ 54.7554, 0.2990,
0.5679

■ 53.8807, 0.2993,
0.5975


■ 55.6953, 0.2997,
0.5419

■ 57.0474, 0.3010,
0.5106


■ 58.8520, 0.3027,
0.4765

■ 61.1443, 0.3047,
0.4419

 63.9562, 0.3068,
0.4087

 67.3169, 0.3089,
0.3782

 71.2534, 0.3110,
0.3508

 75.7909, 0.3129,
0.3267

Harmonies

Analogous

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



54.1784, 0.4141, 0.5508



54.1784, 0.2990, 0.5864



54.1784, 0.1925, 0.4792

Triad

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



54.1784, 0.2990, 0.5864



54.1784, 0.1233, 0.1548



54.1784, 0.5366, 0.2927

Complementary

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



54.1784, 0.2990, 0.5864



21.5930, 0.3324, 0.1645

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.



54.1784, 0.4138, 0.2232



54.1784, 0.2990, 0.5864



54.1784, 0.1752, 0.1483

Square

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



54.1784, 0.2990, 0.5864



54.1784, 0.1073, 0.2006



54.1784, 0.2737, 0.1720



54.1784, 0.5696, 0.3700

Rectangle

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



54.1784, 0.2990, 0.5864



54.1784, 0.1429, 0.3621



54.1784, 0.2737, 0.1720



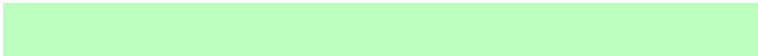
54.1784, 0.5031, 0.2684

Sweetspot

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



54.1806, 0.2990, 0.5864



85.6803, 0.3072, 0.4030



68.3716, 0.4093, 0.5076



18.0375, 0.3064, 0.4140



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.



54.1806, 0.2990, 0.5864



71.5490, 0.2994, 0.5978



55.8062, 0.2652, 0.4671



15.3485, 0.3109, 0.3520



31.0507, 0.2991, 0.5966



2.1563, 0.2963, 0.5868

Inverse Universe

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



21.5930, 0.3324, 0.1645



27.6732, 0.3343, 0.1615



17.9306, 0.4909, 0.2553



13.9230, 0.3146, 0.3071



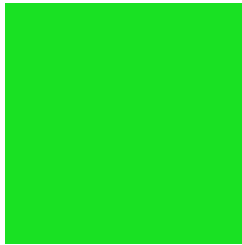
12.0146, 0.3340, 0.1614



0.8365, 0.3318, 0.1602

Previews

White Background



This preview shows how the Yxy color 54.1784, 0.2990, 0.5864 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 54.1784, 0.2990, 0.5864 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 54.1784, 0.2990, 0.5864

Background



This preview shows how black text looks on a background with the Yxy color 54.1784, 0.2990, 0.5864.



This preview shows how white text looks on a background with the Yxy color 54.1784, 0.2990, 0.5864.

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

54.1784, 0.2990, 0.5864

Protanopia

52.9662, 0.4371, 0.4836

Deuteranopia

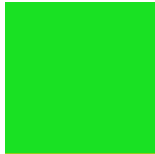
52.8835, 0.4561, 0.4467



Tritanopia

53.5787, 0.2362, 0.3061

Trichromacy



Original Color

54.1784, 0.2990, 0.5864



Protanomaly

49.9544, 0.3663, 0.5369



Deuteranomaly

48.2998, 0.3777, 0.5115



Tritanomaly

52.3373, 0.2622, 0.4170

Monochromacy



Original Color

54.1784, 0.2990, 0.5864



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

33.5959, 0.3039, 0.4499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1784, 0.2990, 0.5864 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(25, 225, 35)` looks like.

```
.text, #text, p{  
    color:rgb(25, 225, 35)  
}
```

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(25, 225, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 225, 35) }
```

Border

The CSS property to change the border of an element to Yxy 54.1784, 0.2990, 0.5864 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(25, 225, 35) }
```

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

```
.border{ border-color:rgb(25, 225, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 225, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 225, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 225, 35);  
box-shadow:4px 4px 4px 4px rgb(25, 225,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1784, 0.2990, 0.5864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 225, 35) }
```

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

```
.background{ background-color: rgb(25, 225,  
35) }
```

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