

Converting Colors

Yxy(57.6028, 0.3004, 0.5769)

Have a look what the booklet for
Yxy(57.6028, 0.3004, 0.5769)
contains.

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Color

Yxy(57.3343, 0.3004, 0.5770)

Conversions

Conversions Part 1

Format	Color
Hex	2CE62F
RGB	44, 230, 47
RGB Percent	17%, 90%, 18%
CMY	0.8273, 0.0980, 0.8157
CMYK	0.81, 0.00, 0.80, 0.10
HSL	121°, 79%, 54%
HSV	121°, 81%, 90%
XYZ	29.8496, 57.3343, 12.1823
YIQ	153.5240, -52.1130, -96.3450

Conversions

Conversions Part 2

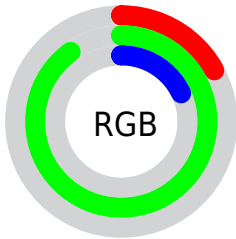
Format	Color
RYB	44, 227, 230
Decimal	2942511
CIELab	80.37, -75.51, 69.78
CIELCh	80, 102.817, 137.261
Yxy	57.3343, 0.3004, 0.5770
Android (android.graphics.Color)	4281132591 (0xFF2CE62F)
YUV	153.5240, -52.5163, -96.0525
Hunter-Lab	75.7194, -62.1419, 43.4646

Details

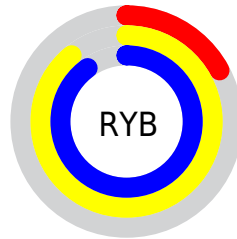
The Yxy color **57.3343, 0.3004, 0.5770** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **24.1752, 0.3237, 0.1651**, and the grayscale version is **32.3524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8878, 0.3114, 0.5118**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.8225, 0.3000, 0.5923**, and if you desaturate by 10%, it is **58.2273, 0.3013, 0.5533**.

Distribution



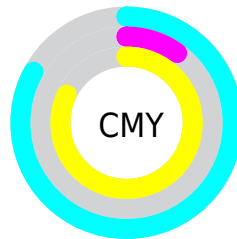
- Red (17%)
- Green (90%)
- Blue (18%)



- Red (17%)
- Yellow (89%)
- Blue (90%)



- Cyan (81%)
- Magenta (0%)
- Yellow (80%)
- Black (10%)




- Cyan (83%)
- Magenta (10%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3343, 0.3004, 0.5770 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 57.3343, 0.3004, 0.5770 by changing the saturation by 10% instead.


 57.3343, 0.3004,
0.5770

 57.3343, 0.3004,
0.5770

414.7008, 0.3171,
0.4486

 41.2737, 0.2927,
0.6080


 100.9528, 0.3091,
0.5306


 28.5330, 0.2810,
0.6460


 129.2795, 0.3116,
0.5130


 18.7278, 0.2625,
0.6927


 162.4637, 0.3134,
0.4980

 11.4738, 0.2373,
0.7627

 200.8898, 0.3146,
0.4853

 6.3865, 0.1863,
0.8137

 244.9421, 0.3156,
0.4742

 3.0815, 0.0886,
0.9114

295.0051, 0.3162,

 1.1744, 0.0000,

0.4646

1.0000

351.4632, 0.3167,
0.4561

■ 0.0407, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.3343, 0.3004,
0.5770

■ 57.3343, 0.3004,
0.5770

■ 56.8225, 0.3000,
0.5923


■ 58.2273, 0.3013,
0.5533


■ 56.6032, 0.2998,
0.5992

■ 59.5480, 0.3026,
0.5229


■ 61.3438, 0.3042,
0.4886

■ 63.6540, 0.3060,
0.4529

 66.5137, 0.3078,
0.4181

 69.9553, 0.3095,
0.3858

 74.0083, 0.3111,
0.3567

 78.7003, 0.3126,
0.3310

 84.0574, 0.3139,
0.3087

Harmonies

Analogous

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



57.3343, 0.4130, 0.5463



57.3343, 0.3004, 0.5770



57.3343, 0.1961, 0.4726

Triad

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



57.3343, 0.3004, 0.5770



57.3343, 0.1276, 0.1589



57.3343, 0.5301, 0.2951

Complementary

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



57.3343, 0.3004, 0.5770



24.1752, 0.3237, 0.1651

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.



57.3343, 0.4117, 0.2264



57.3343, 0.3004, 0.5770



57.3343, 0.1792, 0.1524

Square

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



57.3343, 0.3004, 0.5770



57.3343, 0.1118, 0.2042



57.3343, 0.2759, 0.1759



57.3343, 0.5627, 0.3716

Rectangle

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



57.3343, 0.3004, 0.5770



57.3343, 0.1472, 0.3606



57.3343, 0.2759, 0.1759



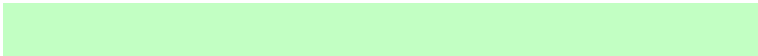
57.3343, 0.4978, 0.2710

Sweetspot

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



57.3367, 0.3004, 0.5770



86.8930, 0.3090, 0.3961



73.6007, 0.4138, 0.4961



18.2656, 0.3084, 0.4077



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.



57.3367, 0.3004, 0.5770



71.5949, 0.2999, 0.5977



58.9381, 0.2686, 0.4675



16.0929, 0.3114, 0.3529



32.0464, 0.2997, 0.5989



2.3694, 0.2989, 0.5960

Inverse Universe

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



24.1752, 0.3237, 0.1651



28.3942, 0.3249, 0.1570



20.4341, 0.4525, 0.2430



14.6111, 0.3140, 0.3062



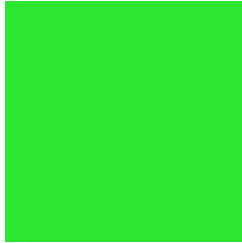
12.6449, 0.3249, 0.1564



0.9357, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 57.3343, 0.3004, 0.5770 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 57.3343, 0.3004, 0.5770 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 57.3343, 0.3004, 0.5770

Background



This preview shows how black text looks on a background with the Yxy color 57.3343, 0.3004, 0.5770.

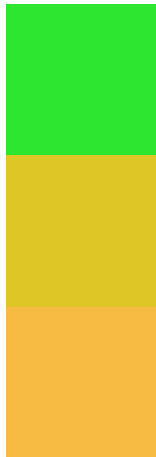


This preview shows how white text looks on a background with the Yxy color 57.3343, 0.3004, 0.5770.

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

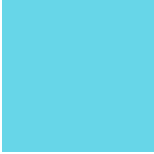
57.3343, 0.3004, 0.5770

Protanopia

56.0642, 0.4339, 0.4799

Deuteranopia

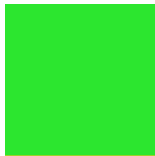
55.7201, 0.4538, 0.4425



Tritanopia

56.8029, 0.2377, 0.3054

Trichromacy



Original Color

57.3343, 0.3004, 0.5770



Protanomaly

53.4285, 0.3688, 0.5273



Deuteranomaly

51.9224, 0.3806, 0.5014



Tritanomaly

55.6968, 0.2637, 0.4095

Monochromacy



Original Color

57.3343, 0.3004, 0.5770



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.2711, 0.3068, 0.4387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.3343, 0.3004, 0.5770 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, 230, 47)` looks like.

```
.text, #text, p{  
    color:rgb(44, 230, 47)  
}
```

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, 230, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 230, 47) }
```

Border

The CSS property to change the border of an element to Yxy 57.3343, 0.3004, 0.5770 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, 230, 47) }
```

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

```
.border{ border-color:rgb(44, 230, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 230, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 230, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 230, 47);  
box-shadow:4px 4px 4px 4px rgb(44, 230,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 57.3343, 0.3004, 0.5770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 230, 47) }
```

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

```
.background{ background-color: rgb(44, 230,  
47) }
```

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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