

Converting Colors

$Y_{xy}(57.1026, 0.3027, 0.5510)$

Have a look what the booklet for
Yxy(57.1026, 0.3027, 0.5510)
contains.

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Color

Yxy(57.2686, 0.3027, 0.5512)

Conversions

Conversions Part 1

Format	Color
Hex	47E446
RGB	71, 228, 70
RGB Percent	28%, 89%, 27%
CMY	0.7213, 0.1059, 0.7257
CMYK	0.69, 0.00, 0.69, 0.11
HSL	120°, 75%, 58%
HSV	120°, 69%, 89%
XYZ	31.4499, 57.2686, 15.1795
YIQ	163.0450, -42.8540, -82.4220

Conversions

Conversions Part 2

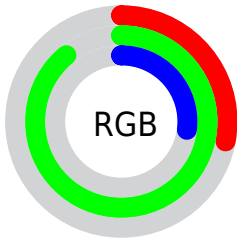
Format	Color
RYB	70, 228, 227
Decimal	4711494
CIELab	80.33, -69.39, 62.38
CIElCh	80, 93.307, 138.042
Yxy	57.2686, 0.3027, 0.5512
Android (android.graphics.Color)	4282901574 (0xFF47E446)
YUV	163.0450, -45.8712, -80.7235
Hunter-Lab	75.6760, -58.2508, 41.0805

Details

The Yxy color **57.2686, 0.3027, 0.5512** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **26.2821, 0.3187, 0.1751**, and the grayscale version is **36.8924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5153, 0.3118, 0.4879**, and **29.1258, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.3326, 0.3015, 0.5757**, and if you desaturate by 10%, it is **58.6373, 0.3042, 0.5201**.

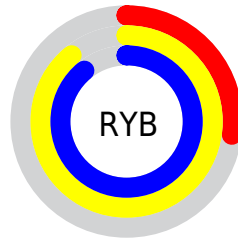
Distribution



Red (28%)

Green (89%)

Blue (27%)



Red (27%)

Yellow (89%)

Blue (89%)

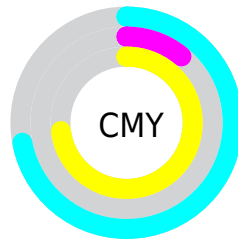


Cyan (69%)

Magenta (0%)

Yellow (69%)

Black (11%)



Cyan (72%)


Magenta (11%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2686, 0.3027, 0.5512 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 57.2686, 0.3027, 0.5512 by changing the saturation by 10% instead.

 57.2686, 0.3027,
0.5512


 57.2686, 0.3027,
0.5512

414.4550, 0.3159,
0.4358


 41.2209, 0.2966,
0.5796


 100.8570, 0.3095,
0.5091


 28.4918, 0.2873,
0.6152


 129.1665, 0.3115,
0.4933


 18.6967, 0.2725,
0.6600


 162.3321, 0.3129,
0.4799

 11.4513, 0.2491,
0.7194

 200.7382, 0.3139,
0.4685

 6.3713, 0.2089,
0.7911

 244.7691, 0.3147,
0.4586

 3.0721, 0.1266,
0.8734

294.8093, 0.3152,

 1.1695, 0.0000,

0.4500

1.0000

351.2431, 0.3156,
0.4425

■ 0.0366, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2686, 0.3027,
0.5512

■ 57.2686, 0.3027,
0.5512

■ 56.3326, 0.3015,
0.5757

■ 58.6373, 0.3042,
0.5201

■ 55.7715, 0.3006,
0.5917


■ 60.4742, 0.3058,
0.4852

■ 55.5109, 0.3001,
0.5995


■ 62.8195, 0.3075,
0.4492


■ 55.4977, 0.3001,
0.5999


■ 65.7068, 0.3090,
0.4143

 69.1671, 0.3104,
0.3820

 73.2290, 0.3117,
0.3529

 77.9191, 0.3128,
0.3274

 83.2625, 0.3137,
0.3052

 83.9670, 0.3139,
0.3029

Harmonies

Analogous

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



57.2686, 0.4081, 0.5332



57.2686, 0.3027, 0.5512



57.2686, 0.2049, 0.4540

Triad

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



57.2686, 0.3027, 0.5512



57.2686, 0.1402, 0.1702



57.2686, 0.5129, 0.3019

Complementary

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



57.2686, 0.3027, 0.5512



26.2821, 0.3187, 0.1751

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.



57.2686, 0.4069, 0.2358



57.2686, 0.3027, 0.5512



57.2686, 0.1908, 0.1641

Square

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



57.2686, 0.3027, 0.5512



57.2686, 0.1245, 0.2134



57.2686, 0.2827, 0.1871



57.2686, 0.5435, 0.3757

Rectangle

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



57.2686, 0.3027, 0.5512



57.2686, 0.1588, 0.3555



57.2686, 0.2827, 0.1871



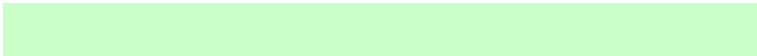
57.2686, 0.4840, 0.2787

Sweetspot

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



57.2710, 0.3027, 0.5512



88.2920, 0.3102, 0.3876



70.9840, 0.4078, 0.4815



18.6248, 0.3098, 0.3964



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.



57.2710, 0.3027, 0.5512



72.2521, 0.3010, 0.5835



58.8726, 0.2705, 0.4488



16.0941, 0.3117, 0.3533



32.0484, 0.3002, 0.5999



2.3700, 0.3006, 0.5995

Inverse Universe

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



26.2821, 0.3187, 0.1751



29.9449, 0.3191, 0.1603



23.1206, 0.4198, 0.2438



14.6097, 0.3137, 0.3058



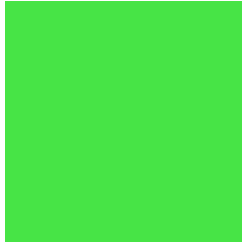
12.6065, 0.3191, 0.1532



0.9333, 0.3194, 0.1533

Previews

White Background



This preview shows how the Yxy color 57.2686, 0.3027, 0.5512 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 57.2686, 0.3027, 0.5512 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

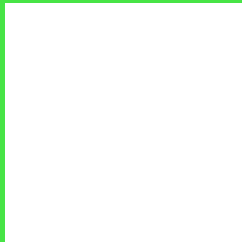
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.2686, 0.3027, 0.5512

Background



This preview shows how black text looks on a background with the Yxy color 57.2686, 0.3027, 0.5512.



This preview shows how white text looks on a background with the Yxy color 57.2686, 0.3027, 0.5512.

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

57.2686, 0.3027, 0.5512

Protanopia

56.1081, 0.4251, 0.4688

Deuteranopia

56.0190, 0.4422, 0.4328



Tritanopia

56.8791, 0.2429, 0.3068

Trichromacy



Original Color

57.2686, 0.3027, 0.5512



Protanomaly

54.0896, 0.3692, 0.5058



Deuteranomaly

53.2215, 0.3798, 0.4806



Tritanomaly

55.7180, 0.2662, 0.3949

Monochromacy



Original Color

57.2686, 0.3027, 0.5512



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

41.8715, 0.3093, 0.4186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2686, 0.3027, 0.5512 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(71, 228, 70)` looks like.

```
.text, #text, p{  
    color:rgb(71, 228, 70)  
}
```

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(71, 228, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 228, 70) }
```

Border

The CSS property to change the border of an element to Yxy 57.2686, 0.3027, 0.5512 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(71, 228, 70) }
```

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

```
.border{ border-color:rgb(71, 228, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 228, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 228, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 228, 70);  
box-shadow:4px 4px 4px 4px rgb(71, 228,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2686, 0.3027, 0.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 228, 70) }
```

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

```
.background{ background-color: rgb(71, 228,  
70) }
```

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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