

Converting Colors

$Y_{xy}(57.2181, 0.2972, 0.5736)$

Have a look what the booklet for
Yxy(57.2181, 0.2972, 0.5736)
contains.

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Color

Yxy(57.2080, 0.2972, 0.5739)

Conversions

Conversions Part 1

Format	Color
Hex	23E635
RGB	35, 230, 53
RGB Percent	14%, 90%, 21%
CMY	0.8638, 0.0980, 0.7921
CMYK	0.85, 0.00, 0.77, 0.10
HSL	126°, 80%, 52%
HSV	126°, 85%, 90%
XYZ	29.6257, 57.2080, 12.8491
YIQ	151.5170, -59.4030, -96.3870

Conversions

Conversions Part 2

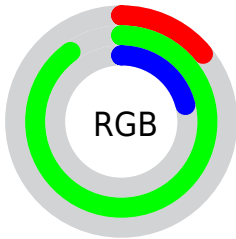
Format	Color
RYB	35, 214, 230
Decimal	2352693
CIELab	80.30, -76.06, 67.93
CIELCh	80, 101.978, 138.232
Yxy	57.2080, 0.2972, 0.5739
Android (android.graphics.Color)	4280542773 (0xFF23E635)
YUV	151.5170, -48.5689, -102.1854
Hunter-Lab	75.6360, -62.4465, 42.8729

Details

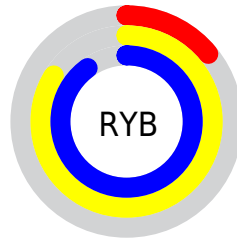
The Yxy color **57.2080, 0.2972, 0.5739** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **22.7512, 0.3416, 0.1724**, and the grayscale version is **31.3794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6829, 0.3079, 0.5085**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.7820, 0.2981, 0.5895**, and if you desaturate by 10%, it is **57.9846, 0.2970, 0.5510**.

Distribution



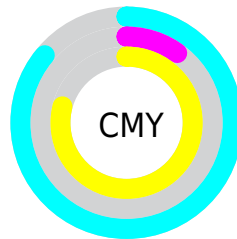
- Red (14%)
- Green (90%)
- Blue (21%)



- Red (14%)
- Yellow (84%)
- Blue (90%)



- Cyan (85%)
- Magenta (0%)
- Yellow (77%)
- Black (10%)




- Cyan (86%)
- Magenta (10%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2080, 0.2972, 0.5739 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 57.2080, 0.2972, 0.5739 by changing the saturation by 10% instead.


 57.2080, 0.2972,
0.5739


 57.2080, 0.2972,
0.5739


414.2283, 0.3149,
0.4466


 41.1723, 0.2894,
0.6049


 100.7686, 0.3062,
0.5277


 28.4537, 0.2777,
0.6431


 129.0623, 0.3088,
0.5103


 18.6680, 0.2593,
0.6905


 162.2107, 0.3107,
0.4955

 11.4306, 0.2335,
0.7593

 200.5983, 0.3121,
0.4828

 6.3572, 0.1838,
0.8162

 244.6095, 0.3131,
0.4719

 3.0635, 0.0834,
0.9166

294.6286, 0.3139,

 1.1650, 0.0000,

0.4624

1.0000

351.0401, 0.3145,
0.4540

■ 0.0328, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2080, 0.2972,
0.5739

■ 57.2080, 0.2972,
0.5739

■ 56.7820, 0.2981,
0.5895


■ 57.9846, 0.2970,
0.5510


■ 56.6568, 0.2985,
0.5947


■ 59.1590, 0.2977,
0.5222


■ 60.7783, 0.2991,
0.4900


■ 62.8813, 0.3011,
0.4565

 65.5024, 0.3036,
0.4236

 68.6731, 0.3062,
0.3929

 72.4222, 0.3089,
0.3649

 76.7766, 0.3115,
0.3400

 81.7614, 0.3140,
0.3183

Harmonies

Analogous

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



57.2080, 0.4094, 0.5475



57.2080, 0.2972, 0.5739



57.2080, 0.1941, 0.4662

Triad

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



57.2080, 0.2972, 0.5739



57.2080, 0.1296, 0.1591



57.2080, 0.5312, 0.2979

Complementary

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



57.2080, 0.2972, 0.5739



22.7512, 0.3416, 0.1724

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.



57.2080, 0.4156, 0.2290



57.2080, 0.2972, 0.5739



57.2080, 0.1823, 0.1536

Square

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



57.2080, 0.2972, 0.5739



57.2080, 0.1127, 0.2028



57.2080, 0.2801, 0.1779



57.2080, 0.5607, 0.3744

Rectangle

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



57.2080, 0.2972, 0.5739



57.2080, 0.1464, 0.3553



57.2080, 0.2801, 0.1779



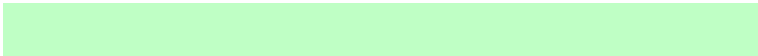
57.2080, 0.5000, 0.2738

Sweetspot

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



57.2104, 0.2972, 0.5739



86.6700, 0.3061, 0.3936



70.9773, 0.4032, 0.5087



18.2318, 0.3052, 0.4042



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.



57.2104, 0.2972, 0.5739



71.5854, 0.2986, 0.5951



59.1118, 0.2617, 0.4499



16.1110, 0.3103, 0.3510



32.0797, 0.2982, 0.5934



2.3781, 0.2937, 0.5772

Inverse Universe

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



22.7512, 0.3416, 0.1724



27.0369, 0.3465, 0.1682



19.2744, 0.4916, 0.2604



14.5907, 0.3152, 0.3080



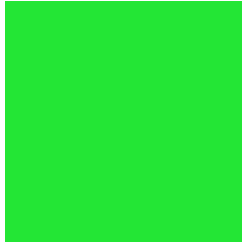
12.1254, 0.3459, 0.1679



0.9029, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 57.2080, 0.2972, 0.5739 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 57.2080, 0.2972, 0.5739 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 57.2080, 0.2972, 0.5739

Background



This preview shows how black text looks on a background with the Yxy color 57.2080, 0.2972, 0.5739.

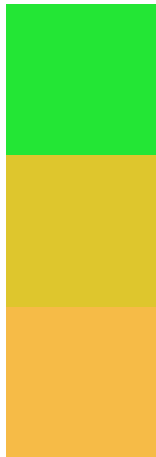


This preview shows how white text looks on a background with the Yxy color 57.2080, 0.2972, 0.5739.

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

57.2080, 0.2972, 0.5739

Protanopia

56.1072, 0.4321, 0.4774

Deuteranopia

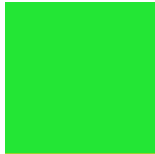
55.5884, 0.4510, 0.4405



Tritanopia

56.6287, 0.2365, 0.3053

Trichromacy



Original Color

57.2080, 0.2972, 0.5739



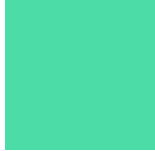
Protanomaly

53.1766, 0.3647, 0.5255



Deuteranomaly

51.5171, 0.3755, 0.5006



Tritanomaly

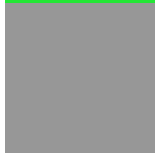
55.5129, 0.2605, 0.4068

Monochromacy



Original Color

57.2080, 0.2972, 0.5739



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

37.1315, 0.3030, 0.4374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2080, 0.2972, 0.5739 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(35, 230, 53)` looks like.

```
.text, #text, p{  
    color:rgb(35, 230, 53)  
}
```

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(35, 230, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 230, 53) }
```

Border

The CSS property to change the border of an element to Yxy 57.2080, 0.2972, 0.5739 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(35, 230, 53) }
```

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

```
.border{ border-color:rgb(35, 230, 53) }
```

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

Here you see how a box with a 4 pixel rgb(35, 230, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 230, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 230, 53);  
box-shadow:4px 4px 4px 4px rgb(35, 230,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2080, 0.2972, 0.5739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 230, 53) }
```

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

```
.background{ background-color: rgb(35, 230,  
53) }
```

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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