

Converting Colors

$Y_{xy}(60.7029, 0.3031, 0.5765)$

Have a look what the booklet for
Yxy(60.7029, 0.3031, 0.5765)
contains.

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Color

Yxy(60.4341, 0.3031, 0.5761)

Conversions

Conversions Part 1

Format	Color
Hex	37EB2F
RGB	55, 235, 47
RGB Percent	22%, 92%, 18%
CMY	0.7843, 0.0784, 0.8159
CMYK	0.77, 0.00, 0.80, 0.08
HSL	117°, 82%, 55%
HSV	117°, 80%, 92%
XYZ	31.7958, 60.4341, 12.6722
YIQ	159.7480, -46.9320, -96.6280

Conversions

Conversions Part 2

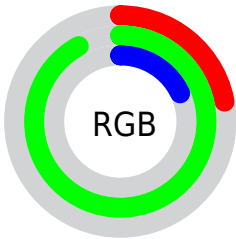
Format	Color
RYB	47, 235, 227
Decimal	3664687
CIELab	82.07, -75.64, 71.45
CIELCh	82, 104.045, 136.632
Yxy	60.4341, 0.3031, 0.5761
Android (android.graphics.Color)	4281854767 (0xFF37EB2F)
YUV	159.7480, -55.5848, -91.8640
Hunter-Lab	77.7394, -63.0364, 44.7528

Details

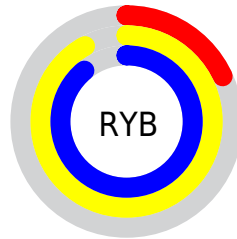
The Yxy color **60.4341, 0.3031, 0.5761** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **24.3516, 0.3120, 0.1594**, and the grayscale version is **35.3068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4280, 0.3149, 0.5098**, and **31.8408, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.7985, 0.3016, 0.5918**, and if you desaturate by 10%, it is **61.4659, 0.3047, 0.5521**.

Distribution



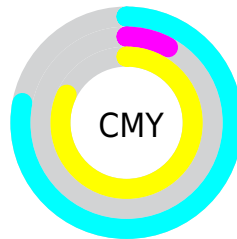
- Red (22%)
- Green (92%)
- Blue (18%)



- Red (18%)
- Yellow (92%)
- Blue (89%)



- Cyan (77%)
- Magenta (0%)
- Yellow (80%)
- Black (8%)




- Cyan (78%)
- Magenta (8%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4341, 0.3031, 0.5761 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 60.4341, 0.3031, 0.5761 by changing the saturation by 10% instead.


 60.4341, 0.3031,
0.5761


 60.4341, 0.3031,
0.5761


426.1960, 0.3185,
0.4495


 43.7686, 0.2958,
0.6062


 105.4591, 0.3113,
0.5307


 30.4887, 0.2847,
0.6429


 134.5875, 0.3136,
0.5134

 20.2098, 0.2673,
0.6878


 168.6389, 0.3152,
0.4986

 12.5476, 0.2430,
0.7524

 207.9978, 0.3164,
0.4860

 7.1178, 0.1957,
0.8043

 253.0486, 0.3172,
0.4750

 3.5359, 0.1187,
0.8813

304.1756, 0.3178,

 1.4175, 0.0000,

0.4654

1.0000

361.7633, 0.3182,
0.4570

■ 0.2296, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4341, 0.3031,
0.5761

■ 60.4341, 0.3031,
0.5761

■ 59.7985, 0.3016,
0.5918


■ 61.4659, 0.3047,
0.5521

■ 59.4846, 0.3007,
0.5995


■ 62.9355, 0.3064,
0.5214


■ 64.8874, 0.3080,
0.4869

■ 67.3589, 0.3094,
0.4512

 70.3833, 0.3105,
0.4164

 73.9912, 0.3115,
0.3840

 78.2112, 0.3122,
0.3548

 83.0698, 0.3127,
0.3291

 87.8997, 0.3136,
0.3097

Harmonies

Analogous

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



60.4341, 0.4152, 0.5439



60.4341, 0.3031, 0.5761



60.4341, 0.1986, 0.4750

Triad

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



60.4341, 0.3031, 0.5761



60.4341, 0.1276, 0.1601



60.4341, 0.5272, 0.2939

Complementary

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



60.4341, 0.3031, 0.5761



24.3516, 0.3120, 0.1594

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.



60.4341, 0.4083, 0.2256



60.4341, 0.3031, 0.5761



60.4341, 0.1783, 0.1529

Square

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



60.4341, 0.3031, 0.5761



60.4341, 0.1125, 0.2063



60.4341, 0.2736, 0.1757



60.4341, 0.5619, 0.3701

Rectangle

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



60.4341, 0.3031, 0.5761



60.4341, 0.1492, 0.3639



60.4341, 0.2736, 0.1757



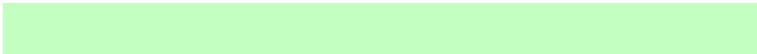
60.4341, 0.4945, 0.2699

Sweetspot

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



60.4366, 0.3031, 0.5761



87.1980, 0.3111, 0.3969



72.0447, 0.4202, 0.4893



18.3362, 0.3108, 0.4086



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.



60.4366, 0.3031, 0.5761



71.6983, 0.3009, 0.5973



61.6771, 0.2726, 0.4802



16.8929, 0.3122, 0.3533



33.1181, 0.3009, 0.5993



2.6114, 0.3035, 0.5972

Inverse Universe

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



24.3516, 0.3120, 0.1594



26.7687, 0.3104, 0.1493



21.9063, 0.4351, 0.2335



15.2790, 0.3131, 0.3057



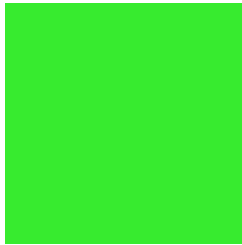
12.2571, 0.3103, 0.1483



0.9727, 0.3118, 0.1491

Previews

White Background



This preview shows how the Yxy color 60.4341, 0.3031, 0.5761 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 60.4341, 0.3031, 0.5761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

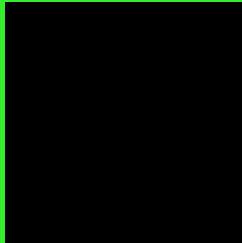
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.4341, 0.3031, 0.5761

Background



This preview shows how black text looks on a background with the Yxy color 60.4341, 0.3031, 0.5761.

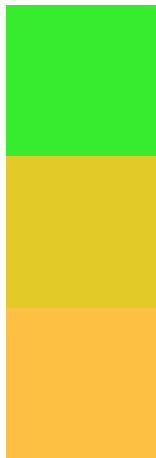


This preview shows how white text looks on a background with the Yxy color 60.4341, 0.3031, 0.5761.

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

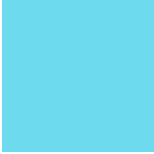
60.4341, 0.3031, 0.5761

Protanopia

59.1892, 0.4337, 0.4807

Deuteranopia

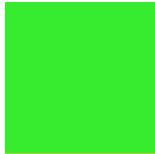
58.9872, 0.4544, 0.4439



Tritanopia

60.0287, 0.2392, 0.3060

Trichromacy



Original Color

60.4341, 0.3031, 0.5761



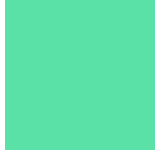
Protanomaly

56.6606, 0.3716, 0.5261



Deuteranomaly

55.2618, 0.3843, 0.5006



Tritanomaly

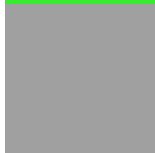
58.8014, 0.2660, 0.4103

Monochromacy



Original Color

60.4341, 0.3031, 0.5761



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.0101, 0.3100, 0.4364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4341, 0.3031, 0.5761 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(55, 235, 47)` looks like.

```
.text, #text, p{  
    color:rgb(55, 235, 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(55, 235, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 235, 47) }
```

Border

The CSS property to change the border of an element to Yxy 60.4341, 0.3031, 0.5761 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(55, 235, 47) }
```

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

```
.border{ border-color:rgb(55, 235, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 235, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 235, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 235, 47);  
box-shadow:4px 4px 4px 4px rgb(55, 235,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4341, 0.3031, 0.5761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 235, 47) }
```

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

```
.background{ background-color: rgb(55, 235,  
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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