

Converting Colors

$Y_{xy}(60.7901, 0.3032, 0.5317)$

Have a look what the booklet for
Yxy(60.7901, 0.3032, 0.5317)
contains.

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Color

Yxy(60.9922, 0.3032, 0.5316)

Conversions

Conversions Part 1

Format	Color
Hex	57E957
RGB	87, 233, 87
RGB Percent	34%, 91%, 34%
CMY	0.6589, 0.0862, 0.6588
CMYK	0.63, 0.00, 0.63, 0.09
HSL	120°, 77%, 63%
HSV	120°, 63%, 91%
XYZ	34.7871, 60.9922, 18.9539
YIQ	172.7020, -40.1500, -76.3580

Conversions

Conversions Part 2

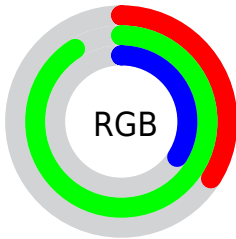
Format	Color
RYB	87, 233, 233
Decimal	5761367
CIELab	82.37, -66.37, 57.94
CIELCh	82, 88.105, 138.881
Yxy	60.9922, 0.3032, 0.5316
Android (android.graphics.Color)	4283951447 (0xFF57E957)
YUV	172.7020, -42.2511, -75.1607
Hunter-Lab	78.0975, -57.1610, 40.2788

Details

The Yxy color **60.9922, 0.3032, 0.5316** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **30.0182, 0.3195, 0.1854**, and the grayscale version is **41.8605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0523, 0.3111, 0.4663**, and **31.1345, 0.2961, 0.5858** is the 20% darker color. If you saturate the color by 10%, you get **59.7276, 0.3018, 0.5607**, and if you desaturate by 10%, it is **62.7464, 0.3048, 0.4976**.

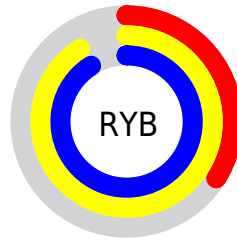
Distribution



Red (34%)

Green (91%)

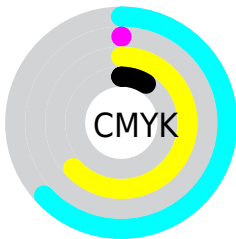
Blue (34%)



Red (34%)

Yellow (91%)

Blue (91%)

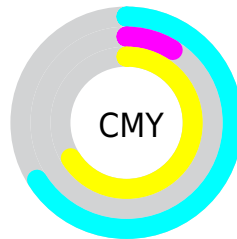


Cyan (63%)

Magenta (0%)

Yellow (63%)

Black (9%)



Cyan (66%)


Magenta (9%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9922, 0.3032, 0.5316 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 60.9922, 0.3032, 0.5316 by changing the saturation by 10% instead.


 60.9922, 0.3032,
0.5316


 60.9922, 0.3032,
0.5316


428.2454, 0.3145,
0.4274

 44.2189, 0.2983,
0.5573

 106.2676, 0.3089,
0.4937

 30.8426, 0.2907,
0.5896


 135.5385, 0.3106,
0.4794

 20.4790, 0.2789,
0.6308


 169.7441, 0.3118,
0.4673

 12.7437, 0.2593,
0.6838

 209.2687, 0.3127,
0.4570

 7.2523, 0.2314,
0.7686

254.4967, 0.3134,
0.4481

 3.6204, 0.1686,
0.8314

305.8126, 0.3139,

 1.4636, 0.0000,

0.4403

1.0000

363.6007, 0.3142,
0.4335

■ 0.2629, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9922, 0.3032,
0.5316

■ 60.9922, 0.3032,
0.5316

■ 59.7276, 0.3018,
0.5607

■ 62.7464, 0.3048,
0.4976

■ 58.8965, 0.3008,
0.5824

■ 65.0248, 0.3065,
0.4616


■ 58.4426, 0.3002,
0.5953


■ 67.8674, 0.3082,
0.4260


■ 58.2821, 0.3000,
0.6000

■ 71.3085, 0.3097,
0.3926

 75.3794, 0.3111,
0.3623

 80.1095, 0.3124,
0.3356

 85.5261, 0.3135,
0.3123

 86.7620, 0.3137,
0.3078

Harmonies

Analogous

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



60.9922, 0.4029, 0.5223



60.9922, 0.3032, 0.5316



60.9922, 0.2110, 0.4400

Triad

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



60.9922, 0.3032, 0.5316



60.9922, 0.1505, 0.1790



60.9922, 0.5003, 0.3072

Complementary

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



60.9922, 0.3032, 0.5316



30.0182, 0.3195, 0.1854

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.



60.9922, 0.4037, 0.2434



60.9922, 0.3032, 0.5316



60.9922, 0.2003, 0.1734

Square

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



60.9922, 0.3032, 0.5316



60.9922, 0.1346, 0.2201



60.9922, 0.2883, 0.1961



60.9922, 0.5284, 0.3786

Rectangle

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



60.9922, 0.3032, 0.5316



60.9922, 0.1674, 0.3509



60.9922, 0.2883, 0.1961



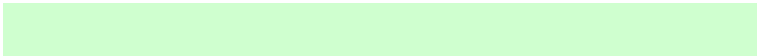
60.9922, 0.4739, 0.2848

Sweetspot

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



60.9947, 0.3032, 0.5316



89.2041, 0.3103, 0.3813



76.2945, 0.4002, 0.4736



18.7999, 0.3098, 0.3903



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.



60.9947, 0.3032, 0.5316



72.9693, 0.3015, 0.5674



62.8443, 0.2708, 0.4317



16.8622, 0.3116, 0.3533



33.0682, 0.3000, 0.6000



2.5967, 0.3000, 0.6000

Inverse Universe

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



30.0182, 0.3195, 0.1854



32.1164, 0.3203, 0.1683



26.6737, 0.4085, 0.2513



15.3138, 0.3138, 0.3058



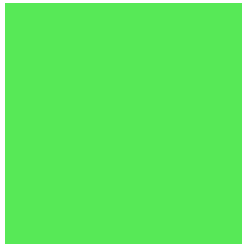
13.1667, 0.3210, 0.1542



1.0339, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 60.9922, 0.3032, 0.5316 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 60.9922, 0.3032, 0.5316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

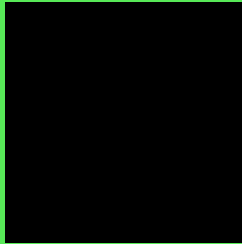
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.9922, 0.3032, 0.5316

Background



This preview shows how black text looks on a background with the Yxy color 60.9922, 0.3032, 0.5316.



This preview shows how white text looks on a background with the Yxy color 60.9922, 0.3032, 0.5316.

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

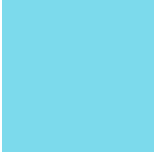
60.9922, 0.3032, 0.5316

Protanopia

60.0667, 0.4183, 0.4598

Deuteranopia

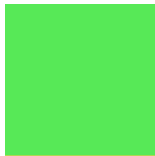
59.3648, 0.4334, 0.4235



Tritanopia

60.4840, 0.2457, 0.3063

Trichromacy



Original Color

60.9922, 0.3032, 0.5316



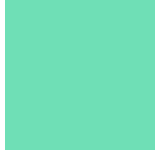
Protanomaly

58.4251, 0.3675, 0.4915



Deuteranomaly

57.0143, 0.3763, 0.4653



Tritanomaly

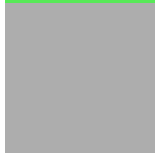
59.5323, 0.2679, 0.3854

Monochromacy



Original Color

60.9922, 0.3032, 0.5316



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.7340, 0.3091, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9922, 0.3032, 0.5316 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(87, 233, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 233, 87)  
}
```

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(87, 233, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 233, 87) }
```

Border

The CSS property to change the border of an element to Yxy 60.9922, 0.3032, 0.5316 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(87, 233, 87) }
```

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

```
.border{ border-color:rgb(87, 233, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 233, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 233, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 233, 87);  
box-shadow:4px 4px 4px 4px rgb(87, 233,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9922, 0.3032, 0.5316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 233, 87) }
```

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

```
.background{ background-color: rgb(87, 233,  
87) }
```

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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