

Converting Colors

$Y_{xy}(60.5588, 0.3017, 0.5296)$

Have a look what the booklet for
Yxy(60.5588, 0.3017, 0.5296)
contains.

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Color

Yxy(60.3658, 0.3016, 0.5292)

Conversions

Conversions Part 1

Format	Color
Hex	55E859
RGB	85, 232, 89
RGB Percent	33%, 91%, 35%
CMY	0.6669, 0.0902, 0.6508
CMYK	0.63, 0.00, 0.62, 0.09
HSL	122°, 76%, 62%
HSV	122°, 63%, 91%
XYZ	34.4035, 60.3658, 19.3006
YIQ	171.7450, -41.7090, -75.6370

Conversions

Conversions Part 2

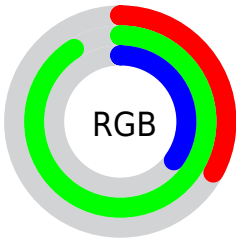
Format	Color
RYB	85, 228, 232
Decimal	5630041
CIELab	82.04, -66.24, 56.68
CIELCh	82, 87.178, 139.446
Yxy	60.3658, 0.3016, 0.5292
Android (android.graphics.Color)	4283820121 (0xFF55E859)
YUV	171.7450, -40.7933, -76.0754
Hunter-Lab	77.6954, -56.9273, 39.6583

Details

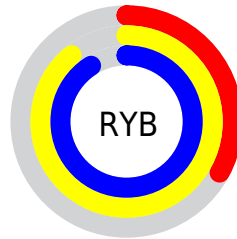
The Yxy color **60.3658, 0.3016, 0.5292** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **29.2397, 0.3237, 0.1874**, and the grayscale version is **41.3405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9232, 0.3090, 0.4643**, and **30.7642, 0.2951, 0.5822** is the 20% darker color. If you saturate the color by 10%, you get **59.1327, 0.3005, 0.5582**, and if you desaturate by 10%, it is **62.0757, 0.3031, 0.4957**.

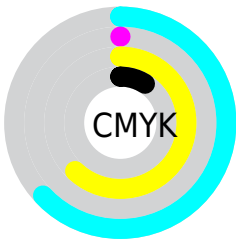
Distribution



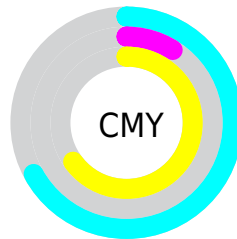
- Red (33%)
- Green (91%)
- Blue (35%)



- Red (33%)
- Yellow (89%)
- Blue (91%)



- Cyan (63%)
- Magenta (0%)
- Yellow (62%)
- Black (9%)




- Cyan (67%)
- Magenta (9%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.3658, 0.3016, 0.5292 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 60.3658, 0.3016, 0.5292 by changing the saturation by 10% instead.


 60.3658, 0.3016,
0.5292


 60.3658, 0.3016,
0.5292


425.9448, 0.3135,
0.4259

 43.7135, 0.2966,
0.5548


 105.3601, 0.3075,
0.4915

 30.4454, 0.2890,
0.5871


 134.4710, 0.3092,
0.4774

 20.1769, 0.2771,
0.6284


 168.5035, 0.3105,
0.4654

 12.5237, 0.2576,
0.6819

 207.8421, 0.3114,
0.4552

 7.1014, 0.2302,
0.7698

252.8711, 0.3122,
0.4464

 3.5256, 0.1660,
0.8340

303.9750, 0.3127,

 1.4119, 0.0000,

0.4387

1.0000

361.5381, 0.3131,
0.4319

■ 0.2255, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.3658, 0.3016,
0.5292

■ 60.3658, 0.3016,
0.5292

■ 59.1327, 0.3005,
0.5582

■ 62.0757, 0.3031,
0.4957

■ 58.3216, 0.2998,
0.5803


■ 64.2958, 0.3049,
0.4604

■ 57.8778, 0.2997,
0.5940

■ 67.0652, 0.3068,
0.4256


■ 57.7320, 0.2996,
0.5987

■ 70.4173, 0.3087,
0.3930

 74.3825, 0.3105,
0.3633

 78.9893, 0.3122,
0.3371

 84.2644, 0.3137,
0.3143

 86.1978, 0.3138,
0.3068

Harmonies

Analogous

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



60.3658, 0.4009, 0.5221



60.3658, 0.3016, 0.5292



60.3658, 0.2103, 0.4367

Triad

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



60.3658, 0.3016, 0.5292



60.3658, 0.1519, 0.1794



60.3658, 0.5002, 0.3088

Complementary

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



60.3658, 0.3016, 0.5292



29.2397, 0.3237, 0.1874

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.



60.3658, 0.4052, 0.2450



60.3658, 0.3016, 0.5292



60.3658, 0.2023, 0.1744

Square

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



60.3658, 0.3016, 0.5292



60.3658, 0.1355, 0.2196



60.3658, 0.2905, 0.1975



60.3658, 0.5269, 0.3800

Rectangle

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



60.3658, 0.3016, 0.5292



60.3658, 0.1674, 0.3485



60.3658, 0.2905, 0.1975



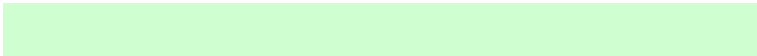
60.3658, 0.4745, 0.2864

Sweetspot

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



60.3683, 0.3016, 0.5292



89.2701, 0.3095, 0.3798



75.1224, 0.3990, 0.4758



18.8154, 0.3090, 0.3886



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.



60.3683, 0.3016, 0.5292



72.9192, 0.3002, 0.5657



62.2167, 0.2694, 0.4294



16.0957, 0.3112, 0.3526



32.0511, 0.2995, 0.5982



2.3708, 0.2980, 0.5930

Inverse Universe

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



29.2397, 0.3237, 0.1874



31.4944, 0.3256, 0.1706



26.0453, 0.4136, 0.2533



14.6079, 0.3142, 0.3065



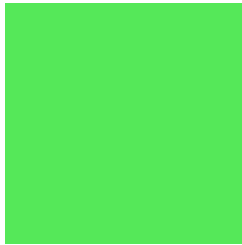
12.5609, 0.3280, 0.1581



0.9304, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 60.3658, 0.3016, 0.5292 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 60.3658, 0.3016, 0.5292 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

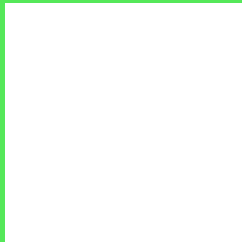
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.3658, 0.3016, 0.5292

Background



This preview shows how black text looks on a background with the Yxy color 60.3658, 0.3016, 0.5292.

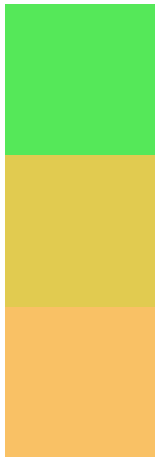


This preview shows how white text looks on a background with the Yxy color 60.3658, 0.3016, 0.5292.

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

60.3658, 0.3016, 0.5292

Protanopia

59.2986, 0.4164, 0.4584

Deuteranopia

59.2193, 0.4312, 0.4222



Tritanopia

59.7614, 0.2450, 0.3061

Trichromacy



Original Color

60.3658, 0.3016, 0.5292



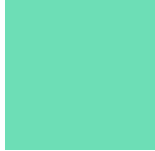
Protanomaly

57.7163, 0.3655, 0.4898



Deuteranomaly

56.3075, 0.3740, 0.4633



Tritanomaly

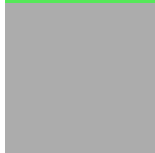
58.8712, 0.2668, 0.3843

Monochromacy



Original Color

60.3658, 0.3016, 0.5292



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

46.1120, 0.3076, 0.4054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3658, 0.3016, 0.5292 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(85, 232, 89)` looks like.

```
.text, #text, p{  
    color:rgb(85, 232, 89)  
}
```

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(85, 232, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 232, 89) }
```

Border

The CSS property to change the border of an element to Yxy 60.3658, 0.3016, 0.5292 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(85, 232, 89) }
```

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

```
.border{ border-color:rgb(85, 232, 89) }
```

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

Here you see how a box with a 4 pixel rgb(85, 232, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 232, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 232, 89);  
box-shadow:4px 4px 4px 4px rgb(85, 232,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3658, 0.3016, 0.5292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 232, 89) }
```

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

```
.background{ background-color: rgb(85, 232,  
89) }
```

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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