

Converting Colors

$Y_{xy}(36.5939, 0.3149, 0.5277)$

Have a look what the booklet for
Yxy(36.5939, 0.3149, 0.5277)
contains.

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Color

Yxy(36.5939, 0.3149, 0.5277)

Conversions

Conversions Part 1

Format	Color
Hex	55B841
RGB	85, 184, 65
RGB Percent	33%, 72%, 25%
CMY	0.6669, 0.2784, 0.7450
CMYK	0.54, 0.00, 0.65, 0.28
HSL	110°, 48%, 49%
HSV	110°, 65%, 72%
XYZ	21.8371, 36.5939, 10.9151
YIQ	140.8330, -20.8050, -57.9970

Conversions

Conversions Part 2

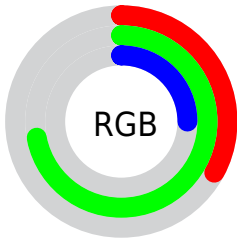
Format	Color
RYB	65, 184, 164
Decimal	5617729
CIELab	66.97, -51.40, 50.15
CIELCh	67, 71.809, 135.707
Yxy	36.5939, 0.3149, 0.5277
Android (android.graphics.Color)	4283807809 (0xFF55B841)
YUV	140.8330, -37.3857, -48.9655
Hunter-Lab	60.4929, -41.4266, 31.6470

Details

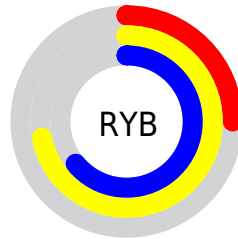
The Yxy color **36.5939, 0.3149, 0.5277** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **15.1450, 0.2942, 0.1722**, and the grayscale version is **26.7178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0582, 0.3190, 0.4853**, and **16.0342, 0.3021, 0.5966** is the 20% darker color. If you saturate the color by 10%, you get **35.7753, 0.3128, 0.5554**, and if you desaturate by 10%, it is **37.6403, 0.3162, 0.4958**.

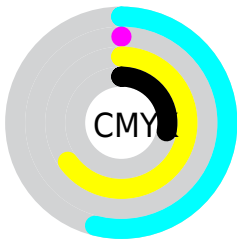
Distribution



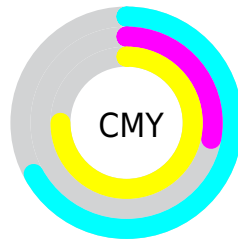
- Red (33%)
- Green (72%)
- Blue (25%)



- Red (25%)
- Yellow (72%)
- Blue (64%)



- Cyan (54%)
- Magenta (0%)
- Yellow (65%)
- Black (28%)





- Cyan (67%)
- Magenta (28%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5939, 0.3149, 0.5277 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 36.5939, 0.3149, 0.5277 by changing the saturation by 10% instead.


 36.5939, 0.3149,
0.5277


 36.5939, 0.3149,
0.5277


331.5490, 0.3205,
0.4177


 24.8932, 0.3103,
0.5576


 69.9478, 0.3191,
0.4856

 15.9975, 0.3021,
0.5967


 92.3697, 0.3199,
0.4704

 9.5224, 0.2868,
0.6485


 119.1343, 0.3204,
0.4578

 5.0835, 0.2639,
0.7361

 150.6257, 0.3206,
0.4472

 2.2963, 0.1878,
0.8122

 187.2285, 0.3207,
0.4382

 0.7718, 0.0000,
1.0000

229.3271, 0.3207,

 0.0000, 0.0000,

0.4304

0.0000

277.3058, 0.3206,
0.4236

■ 36.5939, 0.3149,
0.5277

■ 36.5939, 0.3149,
0.5277

■ 35.7753, 0.3128,
0.5554

■ 37.6403, 0.3162,
0.4958

■ 35.1626, 0.3099,
0.5768

■ 38.9251, 0.3167,
0.4621

■ 34.7376, 0.3066,
0.5907

■ 40.4638, 0.3165,
0.4285

■ 34.5735, 0.3051,
0.5959

■ 42.2692, 0.3158,
0.3965

■ 44.3533, 0.3147,
0.3670

■ 46.7274, 0.3134,
0.3404

■ 49.4020, 0.3119,
0.3168

■ 52.3872, 0.3104,
0.2960

■ 55.6926, 0.3088,
0.2779

Harmonies

Analogous

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



36.5939, 0.4113, 0.5118



36.5939, 0.3149, 0.5277



36.5939, 0.2228, 0.4487

Triad

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



36.5939, 0.3149, 0.5277



36.5939, 0.1513, 0.1855



36.5939, 0.4868, 0.3014

Complementary

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



36.5939, 0.3149, 0.5277



15.1450, 0.2942, 0.1722

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.



36.5939, 0.3889, 0.2400



36.5939, 0.3149, 0.5277



36.5939, 0.1966, 0.1765

Square

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



36.5939, 0.3149, 0.5277



36.5939, 0.1392, 0.2305



36.5939, 0.2786, 0.1959



36.5939, 0.5227, 0.3710

Rectangle

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



36.5939, 0.3149, 0.5277



36.5939, 0.1773, 0.3640



36.5939, 0.2786, 0.1959



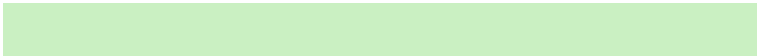
36.5939, 0.4591, 0.2797

Sweetspot

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



36.5954, 0.3149, 0.5277



78.5721, 0.3153, 0.3804



36.4826, 0.4187, 0.4536



16.7105, 0.3156, 0.3889



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.5954, 0.3149, 0.5277



64.2849, 0.3115, 0.5662



36.3827, 0.2834, 0.4739



10.1304, 0.3140, 0.3524



23.8464, 0.3057, 0.5955



0.8632, 0.3211, 0.5832

Inverse Universe

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



15.1450, 0.2942, 0.1722



22.2626, 0.2880, 0.1489



16.0594, 0.3735, 0.2232



9.0846, 0.3112, 0.3063



7.0918, 0.2794, 0.1313



0.2704, 0.2908, 0.1376

Previews

White Background



This preview shows how the Yxy color 36.5939, 0.3149, 0.5277 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 36.5939, 0.3149, 0.5277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

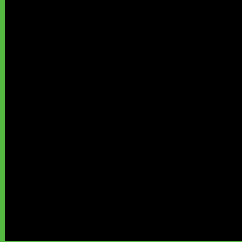
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5939, 0.3149, 0.5277

Background



This preview shows how black text looks on a background with the Yxy color 36.5939, 0.3149, 0.5277.



This preview shows how white text looks on a background with the Yxy color 36.5939, 0.3149, 0.5277.

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

36.5939, 0.3149, 0.5277

Protanopia

35.9802, 0.4195, 0.4607

Deuteranopia

35.8850, 0.4360, 0.4273



Tritanopia

36.3014, 0.2533, 0.3074

Trichromacy



Original Color

36.5939, 0.3149, 0.5277



Protanomaly

35.1974, 0.3757, 0.4885



Deuteranomaly

34.6343, 0.3853, 0.4651



Tritanomaly

35.7130, 0.2774, 0.3861

Monochromacy



Original Color

36.5939, 0.3149, 0.5277



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.3711, 0.3167, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5939, 0.3149, 0.5277 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, 184, 65)` looks like.

```
.text, #text, p{  
    color:rgb(85, 184, 65)  
}
```

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, 184, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 184, 65) }
```

Border

The CSS property to change the border of an element to Yxy 36.5939, 0.3149, 0.5277 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, 184, 65) }
```

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

```
.border{ border-color:rgb(85, 184, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 184, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 184, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 184, 65);  
box-shadow:4px 4px 4px 4px rgb(85, 184,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5939, 0.3149, 0.5277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 184, 65) }
```

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

```
.background{ background-color: rgb(85, 184,  
65) }
```

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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