

Converting Colors

$Y_{xy}(36.8624, 0.3063, 0.5937)$

Have a look what the booklet for
Yxy(36.8624, 0.3063, 0.5937)
contains.

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Color

Yxy(36.7951, 0.3063, 0.5939)

Conversions

Conversions Part 1

Format	Color
Hex	25BD03
RGB	37, 189, 3
RGB Percent	15%, 74%, 1%
CMY	0.8548, 0.2588, 0.9888
CMYK	0.80, 0.00, 0.98, 0.26
HSL	109°, 97%, 38%
HSV	109°, 98%, 74%
XYZ	18.9768, 36.7951, 6.1831
YIQ	122.3480, -30.8860, -90.0700

Conversions

Conversions Part 2

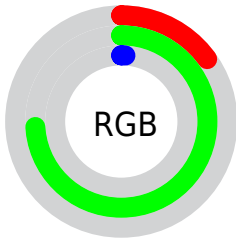
Format	Color
RYB	3, 189, 155
Decimal	2473219
CIELab	67.12, -66.05, 66.44
CIELCh	67, 93.689, 134.832
Yxy	36.7951, 0.3063, 0.5939
Android (android.graphics.Color)	4280663299 (0xFF25BD03)
YUV	122.3480, -58.8386, -74.8502
Hunter-Lab	60.6590, -50.3104, 36.4177

Details

The Yxy color **36.7951, 0.3063, 0.5939** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **10.6874, 0.2755, 0.1297**, and the grayscale version is **19.7833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5308, 0.3164, 0.5396**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.7488, 0.3059, 0.5953**, and if you desaturate by 10%, it is **37.1958, 0.3097, 0.5825**.

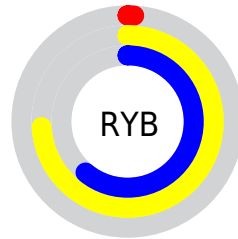
Distribution



Red (15%)

Green (74%)

Blue (1%)



Red (1%)

Yellow (74%)

Blue (61%)

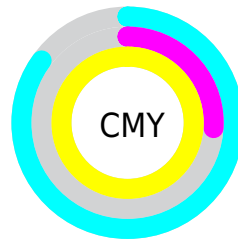


Cyan (80%)

Magenta (0%)

Yellow (98%)

Black (26%)



Cyan (85%)


Magenta (26%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7951, 0.3063, 0.5939 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 36.7951, 0.3063, 0.5939 by changing the saturation by 10% instead.


 36.7951, 0.3063,
0.5939

 36.7951, 0.3063,
0.5939


332.4226, 0.3226,
0.4482

 25.0489, 0.2962,
0.6311


 70.2575, 0.3164,
0.5393

 16.1135, 0.2794,
0.6770


 92.7425, 0.3188,
0.5191

 9.6045, 0.2551,
0.7449


 119.5759, 0.3204,
0.5023

 5.1375, 0.2029,
0.7971

 151.1421, 0.3214,
0.4880

 2.3282, 0.0752,
0.9248

 187.8255, 0.3220,
0.4758

 0.7886, 0.0000,
1.0000


 230.0104, 0.3223,


 0.0000, 0.0000,


0.4653


0.0000


278.0813, 0.3225,
0.4562


 36.7951, 0.3063,
0.5939


 36.7951, 0.3063,
0.5939


 36.7488, 0.3059,
0.5953

 37.1958, 0.3097,
0.5825

 37.7791, 0.3130,
0.5639

 38.5714, 0.3154,
0.5384

 39.5914, 0.3170,
0.5080

 40.8553, 0.3177,
0.4749

■ 42.3780, 0.3176,
0.4412

■ 44.1730, 0.3169,
0.4085

■ 46.2530, 0.3157,
0.3780

■ 48.6298, 0.3141,
0.3502

Harmonies

Analogous

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



36.7951, 0.4227, 0.5475



36.7951, 0.3063, 0.5939



36.7951, 0.1969, 0.4957

Triad

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



36.7951, 0.3063, 0.5939



36.7951, 0.1184, 0.1540



36.7951, 0.5343, 0.2859

Complementary

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



36.7951, 0.3063, 0.5939



10.6874, 0.2755, 0.1297

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.



36.7951, 0.4045, 0.2167



36.7951, 0.3063, 0.5939



36.7951, 0.1676, 0.1452

Square

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



36.7951, 0.3063, 0.5939



36.7951, 0.1047, 0.2037



36.7951, 0.2635, 0.1669



36.7951, 0.5749, 0.3631

Rectangle

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



36.7951, 0.3063, 0.5939



36.7951, 0.1443, 0.3755



36.7951, 0.2635, 0.1669



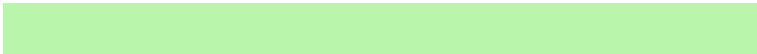
36.7951, 0.4981, 0.2616

Sweetspot

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



36.7966, 0.3063, 0.5939



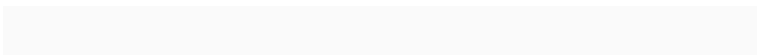
78.4327, 0.3171, 0.4148



33.2080, 0.4586, 0.4731



16.5711, 0.3174, 0.4286



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.7966, 0.3063, 0.5939



65.7405, 0.3052, 0.5959



36.7276, 0.2884, 0.5571



10.7316, 0.3143, 0.3525



24.7494, 0.3065, 0.5949



0.9955, 0.3219, 0.5826

Inverse Universe

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



10.6874, 0.2755, 0.1297



18.8400, 0.2740, 0.1283



12.5788, 0.4129, 0.2056



9.6053, 0.3109, 0.3062



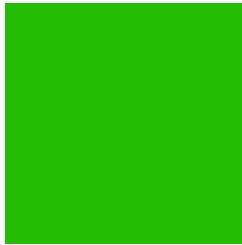
7.1450, 0.2754, 0.1291



0.3033, 0.2869, 0.1354

Previews

White Background



This preview shows how the Yxy color 36.7951, 0.3063, 0.5939 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 36.7951, 0.3063, 0.5939 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 36.7951, 0.3063, 0.5939

Background



This preview shows how black text looks on a background with the Yxy color 36.7951, 0.3063, 0.5939.



This preview shows how white text looks on a background with the Yxy color 36.7951, 0.3063, 0.5939.

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

36.7951, 0.3063, 0.5939

Protanopia

35.9079, 0.4410, 0.4880

Deuteranopia

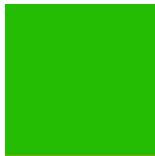
36.1087, 0.4602, 0.4508



Tritanopia

36.7468, 0.2394, 0.3070

Trichromacy



Original Color

36.7951, 0.3063, 0.5939



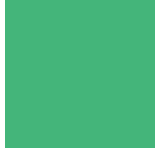
Protanomaly

34.2531, 0.3768, 0.5386



Deuteranomaly

33.5562, 0.3894, 0.5156



Tritanomaly

35.6818, 0.2727, 0.4340

Monochromacy



Original Color

36.7951, 0.3063, 0.5939



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

23.3464, 0.3175, 0.4631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7951, 0.3063, 0.5939 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(37, 189, 3)` looks like.

```
.text, #text, p{  
    color:rgb(37, 189, 3)  
}
```

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(37, 189, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 189, 3) }
```

Border

The CSS property to change the border of an element to Yxy 36.7951, 0.3063, 0.5939 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(37, 189, 3) }
```

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

```
.border{ border-color:rgb(37, 189, 3) }
```

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

Here you see how a box with a 4 pixel rgb(37, 189, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 189, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 189, 3);  
box-shadow:4px 4px 4px 4px rgb(37, 189, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 36.7951, 0.3063, 0.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 189, 3) }
```

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

```
.background{ background-color: rgb(37, 189,  
3) }
```

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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