

Converting Colors

$Y_{xy}(37.8114, 0.3071, 0.5943)$

Have a look what the booklet for
Yxy(37.8114, 0.3071, 0.5943)
contains.

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Color

$\text{Yxy}(37.6929, 0.3070, 0.5944)$

Conversions

Conversions Part 1

Format	Color
Hex	27BF00
RGB	39, 191, 0
RGB Percent	15%, 75%, 0%
CMY	0.8471, 0.2510, 0.9995
CMYK	0.80, 0.00, 1.00, 0.25
HSL	108°, 100%, 37%
HSV	108°, 100%, 75%
XYZ	19.4679, 37.6929, 6.2526
YIQ	123.7780, -29.2810, -91.6250

Conversions

Conversions Part 2

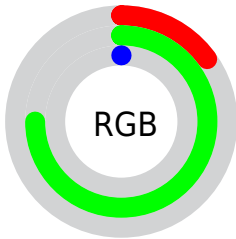
Format	Color
RYB	0, 191, 152
Decimal	2604800
CIELab	67.79, -66.45, 67.31
CIELCh	68, 94.582, 134.629
Yxy	37.6929, 0.3070, 0.5944
Android (android.graphics.Color)	4280794880 (0xFF27BF00)
YUV	123.7780, -61.0226, -74.3503
Hunter-Lab	61.3945, -50.8390, 36.9380

Details

The Yxy color **37.6929, 0.3070, 0.5944** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **10.4531, 0.2698, 0.1260**, and the grayscale version is **20.2980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8266, 0.3166, 0.5402**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.6922, 0.3070, 0.5945**, and if you desaturate by 10%, it is **38.1008, 0.3106, 0.5835**.

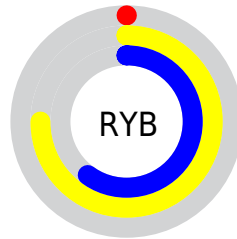
Distribution



Red (15%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (60%)

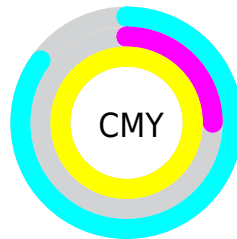


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (85%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6929, 0.3070, 0.5944 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 37.6929, 0.3070, 0.5944 by changing the saturation by 10% instead.


 37.6929, 0.3070,
0.5944

 37.6929, 0.3070,
0.5944


336.3008, 0.3230,
0.4491

 25.7444, 0.2970,
0.6312


 71.6372, 0.3170,
0.5402

 16.6325, 0.2804,
0.6765


 94.4018, 0.3194,
0.5201


 9.9729, 0.2566,
0.7434


 121.5406, 0.3209,
0.5032

 5.3810, 0.2055,
0.7945

 153.4379, 0.3219,
0.4890

 2.4725, 0.0919,
0.9081

 190.4782, 0.3225,
0.4768

 0.8628, 0.0000,
1.0000

 233.0458, 0.3228,

 0.0000, 0.0000,

0.4663

0.0000

281.5252, 0.3230,
0.4571

■ 37.6929, 0.3070,
0.5944

■ 37.6929, 0.3070,
0.5944

■ 37.6922, 0.3070,
0.5945

■ 38.1008, 0.3106,
0.5835

■ 38.6856, 0.3141,
0.5660

■ 39.4767, 0.3168,
0.5415

■ 40.4924, 0.3185,
0.5119

■ 41.7490, 0.3191,
0.4792

■ 43.2612, 0.3189,
0.4456

■ 45.0424, 0.3180,
0.4129

■ 47.1050, 0.3165,
0.3822

■ 49.4607, 0.3147,
0.3541

Harmonies

Analogous

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



37.6929, 0.4235, 0.5471



37.6929, 0.3070, 0.5944



37.6929, 0.1973, 0.4971

Triad

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



37.6929, 0.3070, 0.5944



37.6929, 0.1180, 0.1540



37.6929, 0.5340, 0.2853

Complementary

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



37.6929, 0.3070, 0.5944



10.4531, 0.2698, 0.1260

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.



37.6929, 0.4036, 0.2161



37.6929, 0.3070, 0.5944



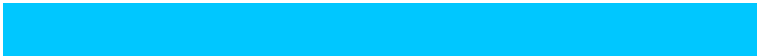
37.6929, 0.1670, 0.1450

Square

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



37.6929, 0.3070, 0.5944



37.6929, 0.1045, 0.2041



37.6929, 0.2626, 0.1665



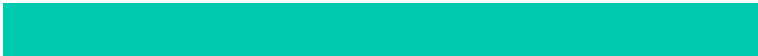
37.6929, 0.5753, 0.3625

Rectangle

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



37.6929, 0.3070, 0.5944



37.6929, 0.1445, 0.3768



37.6929, 0.2626, 0.1665



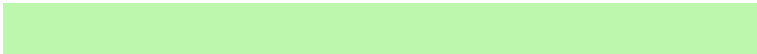
37.6929, 0.4975, 0.2610

Sweetspot

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



37.6945, 0.3070, 0.5944



80.4824, 0.3180, 0.4146



32.7773, 0.4637, 0.4700



17.3635, 0.3185, 0.4285



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.6945, 0.3070, 0.5944



67.4233, 0.3063, 0.5950



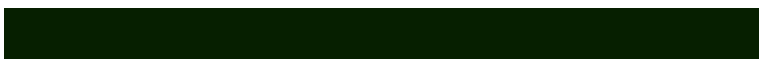
37.5321, 0.2899, 0.5637



10.7407, 0.3146, 0.3525



24.7980, 0.3077, 0.5939



0.9994, 0.3241, 0.5809

Inverse Universe

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



10.4531, 0.2698, 0.1260



18.6050, 0.2689, 0.1255



12.8835, 0.4085, 0.2025



9.5955, 0.3106, 0.3062



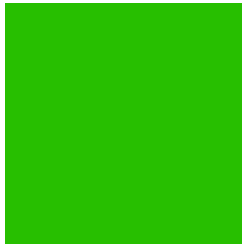
6.9006, 0.2704, 0.1263



0.2956, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 37.6929, 0.3070, 0.5944 looks on a white background.

Color Contrast Check

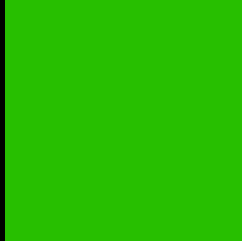
Large Text (above 18pt) WCAG AA × Fail

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 37.6929, 0.3070, 0.5944 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 37.6929, 0.3070, 0.5944

Background



This preview shows how black text looks on a background with the Yxy color 37.6929, 0.3070, 0.5944.



This preview shows how white text looks on a background with the Yxy color 37.6929, 0.3070, 0.5944.

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

37.6929, 0.3070, 0.5944

Protanopia

36.8652, 0.4408, 0.4882

Deuteranopia

36.7246, 0.4610, 0.4506



Tritanopia

37.6728, 0.2395, 0.3072

Trichromacy



Original Color

37.6929, 0.3070, 0.5944



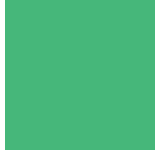
Protanomaly

35.1776, 0.3774, 0.5385



Deuteranomaly

34.0996, 0.3910, 0.5154



Tritanomaly

36.5742, 0.2741, 0.4364

Monochromacy



Original Color

37.6929, 0.3070, 0.5944



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.0715, 0.3191, 0.4651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6929, 0.3070, 0.5944 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(39, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(39, 191, 0)  
}
```

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(39, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.6929, 0.3070, 0.5944 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(39, 191, 0) }
```

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

```
.border{ border-color:rgb(39, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(39, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(39, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.6929, 0.3070, 0.5944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 191, 0) }
```

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

```
.background{ background-color: rgb(39, 191,  
0) }
```

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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