

Converting Colors

$Y_{xy}(37.7319, 0.3073, 0.5933)$

Have a look what the booklet for
Yxy(37.7319, 0.3073, 0.5933)
contains.

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Color

Yxy(37.7374, 0.3075, 0.5933)

Conversions

Conversions Part 1

Format	Color
Hex	29BF02
RGB	41, 191, 2
RGB Percent	16%, 75%, 1%
CMY	0.8389, 0.2510, 0.9922
CMYK	0.78, 0.00, 0.99, 0.25
HSL	108°, 98%, 38%
HSV	108°, 99%, 75%
XYZ	19.5588, 37.7374, 6.3097
YIQ	124.6040, -28.7310, -90.5790

Conversions

Conversions Part 2

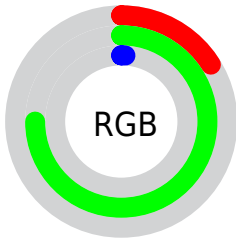
Format	Color
R_{YB}	2, 191, 152
Decimal	2735874
CIE _{Lab}	67.83, -66.13, 67.13
CIE _{LCh}	68, 94.234, 134.568
Yxy	37.7374, 0.3075, 0.5933
Android (android.graphics.Color)	4280925954 (0xFF29BF02)
YUV	124.6040, -60.4438, -73.3207
Hunter-Lab	61.4308, -50.6716, 36.9117

Details

The Yxy color **37.7374, 0.3075, 0.5933** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **10.4700, 0.2695, 0.1262**, and the grayscale version is **20.5916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8933, 0.3171, 0.5399**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.7028, 0.3072, 0.5943**, and if you desaturate by 10%, it is **38.1635, 0.3112, 0.5819**.

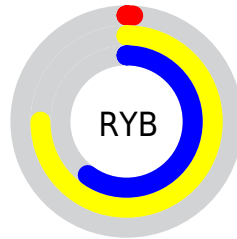
Distribution



Red (16%)

Green (75%)

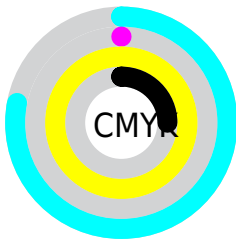
Blue (1%)



Red (1%)

Yellow (75%)

Blue (60%)

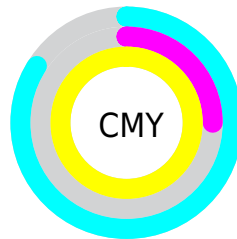


Cyan (78%)

Magenta (0%)

Yellow (99%)

Black (25%)



Cyan (84%)

Magenta (25%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7374, 0.3075, 0.5933 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 37.7374, 0.3075, 0.5933 by changing the saturation by 10% instead.

 37.7374, 0.3075,
0.5933


 37.7374, 0.3075,
0.5933


336.4921, 0.3232,
0.4486

 25.7789, 0.2977,
0.6299


 71.7055, 0.3173,
0.5393


 16.6583, 0.2813,
0.6751


 94.4839, 0.3197,
0.5193


 9.9912, 0.2578,
0.7422


 121.6377, 0.3212,
0.5025

 5.3931, 0.2069,
0.7931

 153.5513, 0.3221,
0.4883

 2.4797, 0.0954,
0.9046

 190.6092, 0.3227,
0.4762

 0.8665, 0.0000,
1.0000

 233.1957, 0.3230,

 0.0000, 0.0000,

0.4657

0.0000

281.6952, 0.3231,
0.4566

■ 37.7374, 0.3075,
0.5933

■ 37.7374, 0.3075,
0.5933

■ 37.7028, 0.3072,
0.5943

■ 38.1635, 0.3112,
0.5819

■ 38.7701, 0.3147,
0.5637

■ 39.5841, 0.3173,
0.5386

■ 40.6234, 0.3188,
0.5086

■ 41.9040, 0.3194,
0.4758

■ 43.4401, 0.3190,
0.4423

■ 45.2452, 0.3180,
0.4098

■ 47.3314, 0.3164,
0.3793

■ 49.7104, 0.3145,
0.3515

Harmonies

Analogous

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



37.7374, 0.4237, 0.5464



37.7374, 0.3075, 0.5933



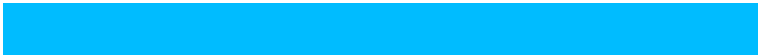
37.7374, 0.1980, 0.4967

Triad

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



37.7374, 0.3075, 0.5933



37.7374, 0.1184, 0.1546



37.7374, 0.5330, 0.2854

Complementary

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



37.7374, 0.3075, 0.5933



10.4700, 0.2695, 0.1262

Split Complementary

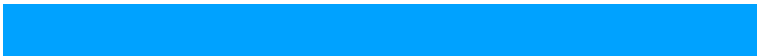
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.7374, 0.4030, 0.2163



37.7374, 0.3075, 0.5933



37.7374, 0.1673, 0.1455

Square

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



37.7374, 0.3075, 0.5933



37.7374, 0.1050, 0.2047



37.7374, 0.2626, 0.1668



37.7374, 0.5745, 0.3625

Rectangle

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



37.7374, 0.3075, 0.5933



37.7374, 0.1452, 0.3770



37.7374, 0.2626, 0.1668



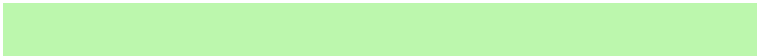
37.7374, 0.4965, 0.2612

Sweetspot

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



37.7390, 0.3075, 0.5933



80.5132, 0.3182, 0.4146



32.9083, 0.4629, 0.4700



17.3707, 0.3187, 0.4284



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.



37.7390, 0.3075, 0.5933



67.4441, 0.3064, 0.5949



37.5552, 0.2897, 0.5620



10.7422, 0.3146, 0.3525



24.8064, 0.3079, 0.5938



1.0001, 0.3244, 0.5806

Inverse Universe

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



10.4700, 0.2695, 0.1262



18.4964, 0.2681, 0.1251



12.9384, 0.4074, 0.2023



9.5939, 0.3105, 0.3062



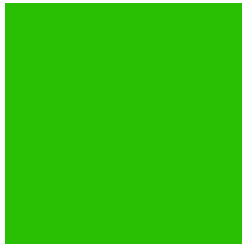
6.8615, 0.2696, 0.1259



0.2943, 0.2826, 0.1330

Previews

White Background



This preview shows how the Yxy color 37.7374, 0.3075, 0.5933 looks on a white background.

Color Contrast Check

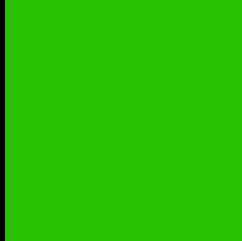
Large Text (above 18pt) WCAG AA × Fail

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 37.7374, 0.3075, 0.5933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

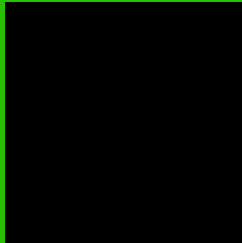
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7374, 0.3075, 0.5933

Background



This preview shows how black text looks on a background with the Yxy color 37.7374, 0.3075, 0.5933.



This preview shows how white text looks on a background with the Yxy color 37.7374, 0.3075, 0.5933.

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

37.7374, 0.3075, 0.5933

Protanopia

36.8652, 0.4408, 0.4882

Deuteranopia

36.7246, 0.4610, 0.4506



Tritanopia

37.7213, 0.2399, 0.3072

Trichromacy



Original Color

37.7374, 0.3075, 0.5933



Protanomaly

35.2608, 0.3783, 0.5375



Deuteranomaly

34.1954, 0.3917, 0.5141



Tritanomaly

36.6366, 0.2740, 0.4344

Monochromacy



Original Color

37.7374, 0.3075, 0.5933



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.4538, 0.3191, 0.4641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7374, 0.3075, 0.5933 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(41, 191, 2)` looks like.

```
.text, #text, p{  
    color:rgb(41, 191, 2)  
}
```

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(41, 191, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 191, 2) }
```

Border

The CSS property to change the border of an element to Yxy 37.7374, 0.3075, 0.5933 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(41, 191, 2) }
```

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

```
.border{ border-color:rgb(41, 191, 2) }
```

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

Here you see how a box with a 4 pixel rgb(41, 191, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 191, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 191, 2);  
box-shadow:4px 4px 4px 4px rgb(41, 191, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.7374, 0.3075, 0.5933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 191, 2) }
```

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

```
.background{ background-color: rgb(41, 191,  
2) }
```

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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