

Converting Colors

$Yxy(37.4041, 0.3009, 0.5823)$

Have a look what the booklet for
Yxy(37.4041, 0.3009, 0.5823)
contains.

Yxy(37.2171, 0.3008, 0.5823)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2171, 0.3008, 0.5823)

Conversions

Conversions Part 1

Format	Color
Hex	1FBE1F
RGB	31, 190, 31
RGB Percent	12%, 75%, 12%
CMY	0.8787, 0.2549, 0.8781
CMYK	0.84, 0.00, 0.84, 0.25
HSL	120°, 72%, 43%
HSV	120°, 84%, 75%
XYZ	19.2253, 37.2171, 7.4715
YIQ	124.3330, -43.7250, -83.1570

Conversions

Conversions Part 2

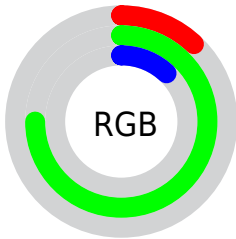
Format	Color
RYB	31, 190, 190
Decimal	2080287
CIELab	67.44, -66.15, 61.98
CIElCh	67, 90.649, 136.863
Yxy	37.2171, 0.3008, 0.5823
Android (android.graphics.Color)	4280270367 (0xFF1FBE1F)
YUV	124.3330, -46.0132, -81.8530
Hunter-Lab	61.0058, -50.5079, 35.4427

Details

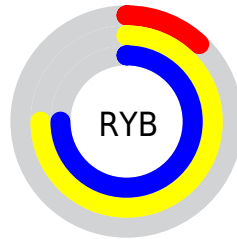
The Yxy color **37.2171, 0.3008, 0.5823** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **15.6368, 0.3207, 0.1618**, and the grayscale version is **20.4388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1413, 0.3109, 0.5296**, and **17.3279, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.9334, 0.3002, 0.5951**, and if you desaturate by 10%, it is **37.7364, 0.3018, 0.5609**.

Distribution



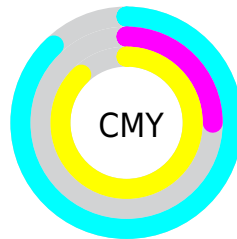
- Red (12%)
- Green (75%)
- Blue (12%)



- Red (12%)
- Yellow (75%)
- Blue (75%)



- Cyan (84%)
- Magenta (0%)
- Yellow (84%)
- Black (25%)





- Cyan (88%)
- Magenta (25%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2171, 0.3008, 0.5823 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 37.2171, 0.3008, 0.5823 by changing the saturation by 10% instead.


 37.2171, 0.3008,
0.5823


 37.2171, 0.3008,
0.5823


334.2495, 0.3182,
0.4420

 25.3756, 0.2912,
0.6191


 70.9066, 0.3107,
0.5292


 16.3571, 0.2756,
0.6655


 93.5233, 0.3133,
0.5098

 9.7772, 0.2526,
0.7339


 120.5007, 0.3150,
0.4936

 5.2515, 0.2045,
0.7955

 152.2230, 0.3162,
0.4800

 2.3956, 0.0842,
0.9158

 189.0746, 0.3170,
0.4684

 0.8236, 0.0000,
1.0000

 231.4400, 0.3176,

 0.0000, 0.0000,

0.4584

0.0000

279.7035, 0.3179,
0.4497

■ 37.2171, 0.3008,
0.5823

■ 37.2171, 0.3008,
0.5823

■ 36.9334, 0.3002,
0.5951

■ 37.7364, 0.3018,
0.5609

■ 36.8292, 0.3000,
0.5999

■ 38.5223, 0.3031,
0.5322

■ 39.6060, 0.3047,
0.4987

■ 41.0132, 0.3064,
0.4632

■ 42.7668, 0.3080,
0.4280

■ 44.8877, 0.3096,
0.3949

■ 47.3950, 0.3110,
0.3648

■ 50.3067, 0.3123,
0.3380

■ 53.6395, 0.3134,
0.3147

Harmonies

Analogous

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



37.2171, 0.4147, 0.5480



37.2171, 0.3008, 0.5823



37.2171, 0.1951, 0.4777

Triad

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



37.2171, 0.3008, 0.5823



37.2171, 0.1250, 0.1570



37.2171, 0.5327, 0.2931

Complementary

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



37.2171, 0.3008, 0.5823



15.6368, 0.3207, 0.1618

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.



37.2171, 0.4114, 0.2241



37.2171, 0.3008, 0.5823



37.2171, 0.1764, 0.1502

Square

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



37.2171, 0.3008, 0.5823



37.2171, 0.1094, 0.2030



37.2171, 0.2735, 0.1734



37.2171, 0.5666, 0.3700

Rectangle

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



37.2171, 0.3008, 0.5823



37.2171, 0.1454, 0.3631



37.2171, 0.2735, 0.1734



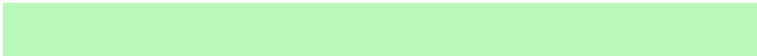
37.2171, 0.4995, 0.2689

Sweetspot

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



37.2186, 0.3008, 0.5823



80.6406, 0.3093, 0.4003



47.8752, 0.4147, 0.4976



17.3995, 0.3088, 0.4120



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.



37.2186, 0.3008, 0.5823



66.7363, 0.3000, 0.6000



38.2555, 0.2687, 0.4712



10.6498, 0.3116, 0.3527



24.4881, 0.3000, 0.5999



0.9593, 0.2999, 0.5997

Inverse Universe

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



15.6368, 0.3207, 0.1618



26.5619, 0.3211, 0.1543



13.0609, 0.4571, 0.2430



9.6962, 0.3138, 0.3064



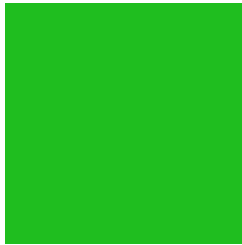
9.7467, 0.3211, 0.1543



0.3818, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 37.2171, 0.3008, 0.5823 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 37.2171, 0.3008, 0.5823 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 37.2171, 0.3008, 0.5823

Background



This preview shows how black text looks on a background with the Yxy color 37.2171, 0.3008, 0.5823.



This preview shows how white text looks on a background with the Yxy color 37.2171, 0.3008, 0.5823.

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

37.2171, 0.3008, 0.5823

Protanopia

36.3235, 0.4359, 0.4830

Deuteranopia

36.5103, 0.4547, 0.4463



Tritanopia

37.0907, 0.2383, 0.3070

Trichromacy



Original Color

37.2171, 0.3008, 0.5823



Protanomaly

34.5509, 0.3699, 0.5319



Deuteranomaly

33.8424, 0.3809, 0.5071



Tritanomaly

36.2732, 0.2648, 0.4151

Monochromacy



Original Color

37.2171, 0.3008, 0.5823



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.0917, 0.3073, 0.4446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2171, 0.3008, 0.5823 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(31, 190, 31)` looks like.

```
.text, #text, p{  
    color:rgb(31, 190, 31)  
}
```

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(31, 190, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 190, 31) }
```

Border

The CSS property to change the border of an element to Yxy 37.2171, 0.3008, 0.5823 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(31, 190, 31) }
```

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

```
.border{ border-color:rgb(31, 190, 31) }
```

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

Here you see how a box with a 4 pixel rgb(31, 190, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 190, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 190, 31);  
box-shadow:4px 4px 4px 4px rgb(31, 190,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2171, 0.3008, 0.5823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 190, 31) }
```

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

```
.background{ background-color: rgb(31, 190,  
31) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor