

Converting Colors

$Y_{xy}(37.1943, 0.3043, 0.5645)$

Have a look what the booklet for
Yxy(37.1943, 0.3043, 0.5645)
contains.

Yxy(37.3147, 0.3042, 0.5651)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.3147, 0.3042, 0.5651)

Conversions

Conversions Part 1

Format	Color
Hex	34BD2D
RGB	52, 189, 45
RGB Percent	20%, 74%, 18%
CMY	0.7962, 0.2588, 0.8234
CMYK	0.73, 0.00, 0.76, 0.26
HSL	117°, 62%, 46%
HSV	117°, 76%, 74%
XYZ	20.0869, 37.3147, 8.6304
YIQ	131.6210, -35.4280, -73.8280

Conversions

Conversions Part 2

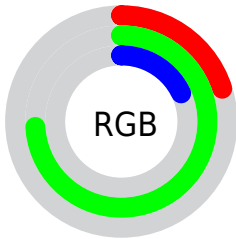
Format	Color
RYB	45, 189, 182
Decimal	3456301
CIELab	67.51, -62.14, 58.08
CIELCh	68, 85.055, 136.938
Yxy	37.3147, 0.3042, 0.5651
Android (android.graphics.Color)	4281646381 (0xFF34BD2D)
YUV	131.6210, -42.7042, -69.8276
Hunter-Lab	61.0858, -48.2036, 34.3834

Details

The Yxy color **37.3147, 0.3042, 0.5651** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **15.5091, 0.3114, 0.1641**, and the grayscale version is **23.0965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7731, 0.3123, 0.5151**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.8121, 0.3026, 0.5848**, and if you desaturate by 10%, it is **38.0674, 0.3059, 0.5380**.

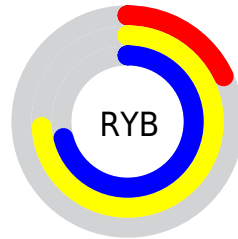
Distribution



Red (20%)

Green (74%)

Blue (18%)



Red (18%)

Yellow (74%)

Blue (71%)

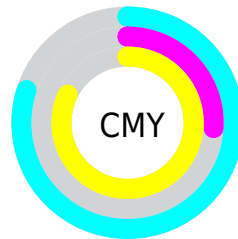


Cyan (73%)

Magenta (0%)

Yellow (76%)

Black (26%)



Cyan (80%)


Magenta (26%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3147, 0.3042, 0.5651 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 37.3147, 0.3042, 0.5651 by changing the saturation by 10% instead.


 37.3147, 0.3042,
0.5651


 37.3147, 0.3042,
0.5651


334.6710, 0.3182,
0.4343

 25.4512, 0.2962,
0.5999


 71.0565, 0.3124,
0.5154

 16.4136, 0.2829,
0.6444


 93.7037, 0.3144,
0.4972


 9.8173, 0.2614,
0.7054


 120.7142, 0.3158,
0.4822

 5.2780, 0.2213,
0.7787

 152.4725, 0.3168,
0.4695

 2.4113, 0.1190,
0.8810

 189.3629, 0.3174,
0.4587

 0.8317, 0.0000,
1.0000

 231.7699, 0.3178,

 0.0000, 0.0000,

0.4495

0.0000

280.0778, 0.3180,
0.4414

■ 37.3147, 0.3042,
0.5651

■ 37.3147, 0.3042,
0.5651

■ 36.8121, 0.3026,
0.5848

■ 38.0674, 0.3059,
0.5380

■ 36.5231, 0.3012,
0.5962

■ 39.0918, 0.3075,
0.5056

■ 36.4558, 0.3010,
0.5992

■ 40.4122, 0.3090,
0.4708

■ 42.0493, 0.3102,
0.4358

■ 44.0216, 0.3112,
0.4024

■ 46.3464, 0.3119,
0.3717

■ 49.0396, 0.3125,
0.3443

■ 52.1164, 0.3128,
0.3201

■ 55.5909, 0.3131,
0.2992

Harmonies

Analogous

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



37.3147, 0.4133, 0.5385



37.3147, 0.3042, 0.5651



37.3147, 0.2024, 0.4669

Triad

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



37.3147, 0.3042, 0.5651



37.3147, 0.1330, 0.1649



37.3147, 0.5198, 0.2968

Complementary

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



37.3147, 0.3042, 0.5651



15.5091, 0.3114, 0.1641

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.



37.3147, 0.4063, 0.2296



37.3147, 0.3042, 0.5651



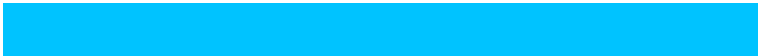
37.3147, 0.1832, 0.1579

Square

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



37.3147, 0.3042, 0.5651



37.3147, 0.1179, 0.2103



37.3147, 0.2766, 0.1804



37.3147, 0.5537, 0.3719

Rectangle

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



37.3147, 0.3042, 0.5651



37.3147, 0.1542, 0.3616



37.3147, 0.2766, 0.1804



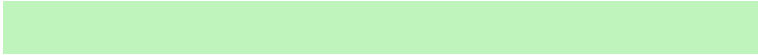
37.3147, 0.4886, 0.2732

Sweetspot

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



37.3163, 0.3042, 0.5651



79.9391, 0.3114, 0.3935



44.3859, 0.4166, 0.4847



16.8867, 0.3111, 0.4050



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.



37.3163, 0.3042, 0.5651



65.5611, 0.3017, 0.5929



38.0781, 0.2725, 0.4698



10.6709, 0.3123, 0.3526



24.5369, 0.3012, 0.5990



0.9687, 0.3060, 0.5952

Inverse Universe

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



15.5091, 0.3114, 0.1641



24.6616, 0.3097, 0.1507



14.1605, 0.4244, 0.2350



9.6723, 0.3130, 0.3063



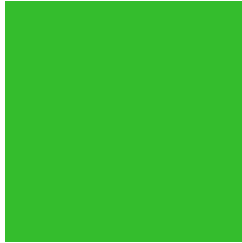
9.0030, 0.3091, 0.1476



0.3599, 0.3121, 0.1493

Previews

White Background



This preview shows how the Yxy color 37.3147, 0.3042, 0.5651 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 37.3147, 0.3042, 0.5651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

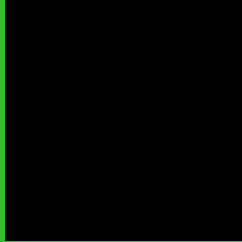
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3147, 0.3042, 0.5651

Background



This preview shows how black text looks on a background with the Yxy color 37.3147, 0.3042, 0.5651.



This preview shows how white text looks on a background with the Yxy color 37.3147, 0.3042, 0.5651.

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

37.3147, 0.3042, 0.5651

Protanopia

36.4081, 0.4307, 0.4753

Deuteranopia

36.4550, 0.4485, 0.4402



Tritanopia

36.9925, 0.2419, 0.3071

Trichromacy



Original Color

37.3147, 0.3042, 0.5651



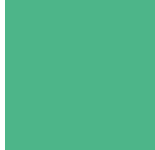
Protanomaly

34.8160, 0.3728, 0.5162



Deuteranomaly

34.1997, 0.3837, 0.4915



Tritanomaly

36.4317, 0.2679, 0.4050

Monochromacy



Original Color

37.3147, 0.3042, 0.5651



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.5861, 0.3108, 0.4285

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3147, 0.3042, 0.5651 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(52, 189, 45)` looks like.

```
.text, #text, p{  
    color:rgb(52, 189, 45)  
}
```

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(52, 189, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 189, 45) }
```

Border

The CSS property to change the border of an element to Yxy 37.3147, 0.3042, 0.5651 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(52, 189, 45) }
```

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

```
.border{ border-color:rgb(52, 189, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 189, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 189, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 189, 45);  
box-shadow:4px 4px 4px 4px rgb(52, 189,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3147, 0.3042, 0.5651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 189, 45) }
```

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

```
.background{ background-color: rgb(52, 189,  
45) }
```

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