

Converting Colors

$Y_{xy}(37.9640, 0.3095, 0.5924)$

Have a look what the booklet for
Yxy(37.9640, 0.3095, 0.5924)
contains.

Yxy(37.8424, 0.3094, 0.5926)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8424, 0.3094, 0.5926)

Conversions

Conversions Part 1

Format	Color
Hex	2EBF00
RGB	46, 191, 0
RGB Percent	18%, 75%, 0%
CMY	0.8195, 0.2510, 1.0000
CMYK	0.76, 0.00, 1.00, 0.25
HSL	106°, 100%, 37%
HSV	106°, 100%, 75%
XYZ	19.7577, 37.8424, 6.2581
YIQ	125.8710, -25.1090, -90.1410

Conversions

Conversions Part 2

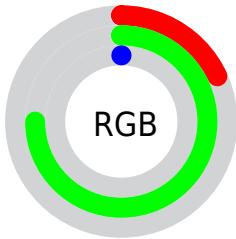
Format	Color
RYB	0, 191, 145
Decimal	3063552
CIELab	67.90, -65.47, 67.48
CIELCh	68, 94.018, 134.133
Yxy	37.8424, 0.3094, 0.5926
Android (android.graphics.Color)	4281253632 (0xFF2EBF00)
YUV	125.8710, -62.0544, -70.0469
Hunter-Lab	61.5162, -50.3227, 37.0297

Details

The Yxy color **37.8424, 0.3094, 0.5926** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **9.7790, 0.2604, 0.1208**, and the grayscale version is **21.0431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0978, 0.3186, 0.5389**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.8443, 0.3094, 0.5925**, and if you desaturate by 10%, it is **38.2873, 0.3135, 0.5814**.

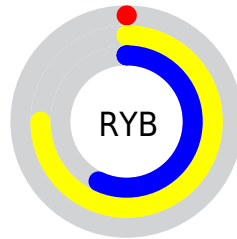
Distribution



Red (18%)

Green (75%)

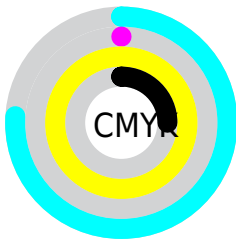
Blue (0%)



Red (0%)

Yellow (75%)

Blue (57%)

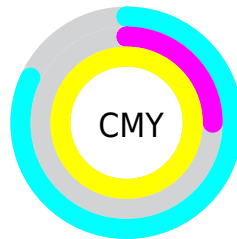


Cyan (76%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (82%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8424, 0.3094, 0.5926 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 37.8424, 0.3094, 0.5926 by changing the saturation by 10% instead.


 37.8424, 0.3094,
0.5926

 37.8424, 0.3094,
0.5926


336.9434, 0.3241,
0.4486

 25.8604, 0.2998,
0.6289


 71.8665, 0.3189,
0.5390


 16.7192, 0.2837,
0.6736


 94.6774, 0.3211,
0.5190

 10.0345, 0.2604,
0.7396


 121.8667, 0.3225,
0.5023

 5.4218, 0.2101,
0.7899

 153.8189, 0.3234,
0.4882

 2.4968, 0.1027,
0.8973

 190.9182, 0.3238,
0.4761

 0.8751, 0.0000,
1.0000

 233.5491, 0.3241,

 0.0000, 0.0000,

0.4657

0.0000

282.0961, 0.3242,
0.4566

■ 37.8424, 0.3094,
0.5926

■ 37.8424, 0.3094,
0.5926

■ 37.8443, 0.3094,
0.5925

■ 38.2873, 0.3135,
0.5814

■ 38.9009, 0.3172,
0.5638

■ 39.7109, 0.3200,
0.5396

■ 40.7344, 0.3215,
0.5104

■ 41.9859, 0.3219,
0.4782

■ 43.4791, 0.3212,
0.4450

■ 45.2261, 0.3197,
0.4127

■ 47.2384, 0.3177,
0.3822

■ 49.5267, 0.3153,
0.3542

Harmonies

Analogous

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



37.8424, 0.4253, 0.5447



37.8424, 0.3094, 0.5926



37.8424, 0.1998, 0.4984

Triad

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



37.8424, 0.3094, 0.5926



37.8424, 0.1184, 0.1554



37.8424, 0.5309, 0.2846

Complementary

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



37.8424, 0.3094, 0.5926



9.7790, 0.2604, 0.1208

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.



37.8424, 0.4006, 0.2157



37.8424, 0.3094, 0.5926



37.8424, 0.1666, 0.1458

Square

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



37.8424, 0.3094, 0.5926



37.8424, 0.1055, 0.2062



37.8424, 0.2610, 0.1667



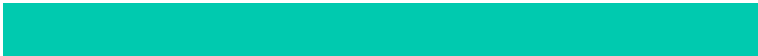
37.8424, 0.5740, 0.3615

Rectangle

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



37.8424, 0.3094, 0.5926



37.8424, 0.1466, 0.3795



37.8424, 0.2610, 0.1667



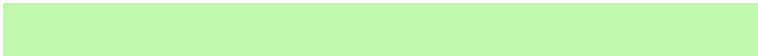
37.8424, 0.4942, 0.2604

Sweetspot

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



37.8443, 0.3094, 0.5925



80.8385, 0.3198, 0.4142



30.7974, 0.4718, 0.4636



17.4477, 0.3205, 0.4279



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.



37.8443, 0.3094, 0.5925



67.6843, 0.3086, 0.5932



37.4741, 0.2920, 0.5710



10.7577, 0.3151, 0.3525



24.9018, 0.3101, 0.5919



1.0068, 0.3281, 0.5777

Inverse Universe

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



9.7790, 0.2604, 0.1208



17.3956, 0.2595, 0.1203



13.0675, 0.3965, 0.1958



9.5773, 0.3100, 0.3061



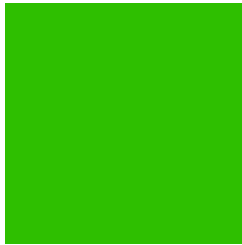
6.4651, 0.2613, 0.1213



0.2817, 0.2763, 0.1296

Previews

White Background



This preview shows how the Yxy color 37.8424, 0.3094, 0.5926 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 37.8424, 0.3094, 0.5926 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 37.8424, 0.3094, 0.5926

Background



This preview shows how black text looks on a background with the Yxy color 37.8424, 0.3094, 0.5926.



This preview shows how white text looks on a background with the Yxy color 37.8424, 0.3094, 0.5926.

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

37.8424, 0.3094, 0.5926

Protanopia

37.2246, 0.4397, 0.4891

Deuteranopia

37.0588, 0.4599, 0.4516



Tritanopia

37.8202, 0.2409, 0.3073

Trichromacy



Original Color

37.8424, 0.3094, 0.5926



Protanomaly

35.3404, 0.3794, 0.5370



Deuteranomaly

34.7464, 0.3932, 0.5139



Tritanomaly

36.7280, 0.2761, 0.4358

Monochromacy



Original Color

37.8424, 0.3094, 0.5926



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.9333, 0.3218, 0.4642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8424, 0.3094, 0.5926 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(46, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.8424, 0.3094, 0.5926 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(46, 191, 0) }
```

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

```
.border{ border-color:rgb(46, 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(46, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.8424, 0.3094, 0.5926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 191, 0) }
```

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

```
.background{ background-color: rgb(46, 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](#).

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