

Converting Colors

$Y_{xy}(37.2799, 0.3537, 0.5312)$

Have a look what the booklet for
Yxy(37.2799, 0.3537, 0.5312)
contains.

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Color

Yxy(37.2799, 0.3537, 0.5312)

Conversions

Conversions Part 1

Format	Color
Hex	79B52A
RGB	121, 181, 42
RGB Percent	47%, 71%, 16%
CMY	0.5256, 0.2902, 0.8353
CMYK	0.33, 0.00, 0.77, 0.29
HSL	86°, 62%, 44%
HSV	86°, 77%, 71%
XYZ	24.8229, 37.2799, 8.0778
YIQ	147.2140, 8.8590, -55.9490

Conversions

Conversions Part 2

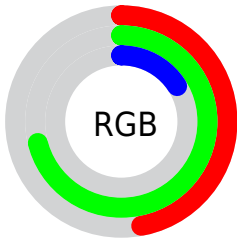
Format	Color
RYB	42, 181, 102
Decimal	7976234
CIELab	67.49, -40.25, 59.90
CIELCh	67, 72.173, 123.900
Yxy	37.2799, 0.3537, 0.5312
Android (android.graphics.Color)	4286166314 (0xFF79B52A)
YUV	147.2140, -51.8705, -22.9897
Hunter-Lab	61.0573, -34.2810, 34.8961

Details

The Yxy color **37.2799, 0.3537, 0.5312** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.8209, 0.2189, 0.1168**, and the grayscale version is **29.4846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9152, 0.3523, 0.4913**, and **16.5622, 0.3398, 0.5684** is the 20% darker color. If you saturate the color by 10%, you get **36.6378, 0.3518, 0.5481**, and if you desaturate by 10%, it is **38.0295, 0.3532, 0.5095**.

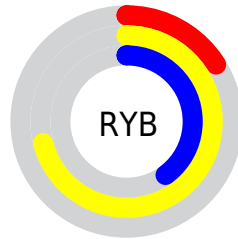
Distribution



Red (47%)

Green (71%)

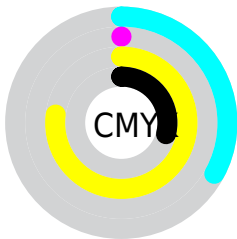
Blue (16%)



Red (16%)

Yellow (71%)

Blue (40%)

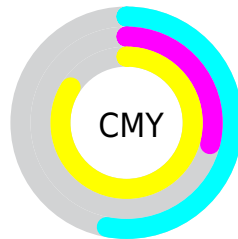


Cyan (33%)

Magenta (0%)

Yellow (77%)

Black (29%)



Cyan (53%)


Magenta (29%)


Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2799, 0.3537, 0.5312 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 37.2799, 0.3537, 0.5312 by changing the saturation by 10% instead.


 37.2799, 0.3537,
0.5312


 37.2799, 0.3537,
0.5312


334.5207, 0.3409,
0.4234


 25.4243, 0.3528,
0.5581

 71.0031, 0.3517,
0.4914


 16.3934, 0.3488,
0.5915

 93.6394, 0.3501,
0.4766


 9.8030, 0.3408,
0.6377


 120.6381, 0.3484,
0.4641

 5.2685, 0.3152,
0.6848

 152.3835, 0.3467,
0.4534

 2.4057, 0.2628,
0.7372

 189.2601, 0.3451,
0.4443

 0.8288, 0.0000,
1.0000

 231.6523, 0.3436,

 0.0000, 0.0000,

0.4364

0.0000

279.9443, 0.3422,
0.4295

■ 37.2799, 0.3537,
0.5312

■ 37.2799, 0.3537,
0.5312

■ 36.6378, 0.3518,
0.5481

■ 38.0295, 0.3532,
0.5095

■ 36.0877, 0.3478,
0.5598

■ 38.8899, 0.3506,
0.4842

■ 35.9249, 0.3464,
0.5631

■ 39.8696, 0.3461,
0.4565

■ 40.9750, 0.3401,
0.4278

■ 42.2118, 0.3332,
0.3992

■ 43.5855, 0.3257,
0.3716

■ 45.1009, 0.3180,
0.3456

■ 46.7630, 0.3103,
0.3215

■ 48.5760, 0.3028,
0.2995

Harmonies

Analogous

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



37.2799, 0.4454, 0.4883



37.2799, 0.3537, 0.5312



37.2799, 0.2569, 0.4903

Triad

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



37.2799, 0.3537, 0.5312



37.2799, 0.1429, 0.1983



37.2799, 0.4533, 0.2759

Complementary

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



37.2799, 0.3537, 0.5312



7.8209, 0.2189, 0.1168

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.



37.2799, 0.3439, 0.2202



37.2799, 0.3537, 0.5312



37.2799, 0.1747, 0.1765

Square

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



37.2799, 0.3537, 0.5312



37.2799, 0.1436, 0.2610



37.2799, 0.2420, 0.1852



37.2799, 0.5174, 0.3430

Rectangle

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



37.2799, 0.3537, 0.5312



37.2799, 0.2022, 0.4147



37.2799, 0.2420, 0.1852



37.2799, 0.4192, 0.2556

Sweetspot

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



37.2815, 0.3537, 0.5312



76.4012, 0.3307, 0.3896



19.0920, 0.5034, 0.4000



16.3300, 0.3333, 0.3996



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.2815, 0.3537, 0.5312



64.9285, 0.3493, 0.5565



33.9924, 0.3063, 0.5645



9.7202, 0.3199, 0.3519



24.8041, 0.3472, 0.5625



0.8141, 0.3673, 0.5466

Inverse Universe

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



7.8209, 0.2189, 0.1168



9.8782, 0.1972, 0.0892



13.4752, 0.3048, 0.1603



8.4037, 0.3050, 0.3059



3.4615, 0.1912, 0.0827



0.1436, 0.2244, 0.1010

Previews

White Background



This preview shows how the Yxy color 37.2799, 0.3537, 0.5312 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 37.2799, 0.3537, 0.5312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

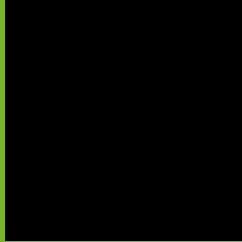
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2799, 0.3537, 0.5312

Background



This preview shows how black text looks on a background with the Yxy color 37.2799, 0.3537, 0.5312.



This preview shows how white text looks on a background with the Yxy color 37.2799, 0.3537, 0.5312.

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

37.2799, 0.3537, 0.5312

Protanopia

36.8812, 0.4311, 0.4761

Deuteranopia

36.6789, 0.4540, 0.4436



Tritanopia

37.2423, 0.2768, 0.3098

Trichromacy



Original Color

37.2799, 0.3537, 0.5312

Protanomaly

36.4730, 0.4015, 0.4975

Deuteranomaly

35.7713, 0.4159, 0.4756

Tritanomaly

36.4314, 0.3104, 0.3960

Monochromacy



Original Color

37.2799, 0.3537, 0.5312

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.3037, 0.3369, 0.4113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2799, 0.3537, 0.5312 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(121, 181, 42)` looks like.

```
.text, #text, p{  
    color:rgb(121, 181, 42)  
}
```

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(121, 181, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 181, 42) }
```

Border

The CSS property to change the border of an element to Yxy 37.2799, 0.3537, 0.5312 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(121, 181, 42) }
```

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

```
.border{ border-color:rgb(121, 181, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 181, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 181, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 181, 42);  
box-shadow:4px 4px 4px 4px rgb(121, 181,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2799, 0.3537, 0.5312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 181, 42) }
```

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

```
.background{ background-color: rgb(121,  
181, 42) }
```

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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