

Converting Colors

$Yxy(42.2211, 0.3115, 0.4526)$

Have a look what the booklet for
Yxy(42.2211, 0.3115, 0.4526)
contains.

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Color

Yxy(42.3534, 0.3120, 0.4531)

Conversions

Conversions Part 1

Format	Color
Hex	77BF70
RGB	119, 191, 112
RGB Percent	47%, 75%, 44%
CMY	0.5332, 0.2510, 0.5609
CMYK	0.38, 0.00, 0.41, 0.25
HSL	115°, 38%, 59%
HSV	115°, 41%, 75%
XYZ	29.1641, 42.3534, 21.9572
YIQ	160.4660, -17.5530, -39.8330

Conversions

Conversions Part 2

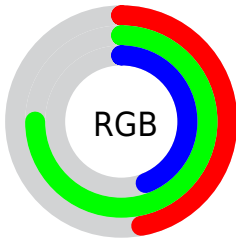
Format	Color
RYB	112, 191, 184
Decimal	7847792
CIELab	71.11, -38.25, 32.91
CIELCh	71, 50.461, 139.289
Yxy	42.3534, 0.3120, 0.4531
Android (android.graphics.Color)	4286037872 (0xFF77BF70)
YUV	160.4660, -23.8937, -36.3657
Hunter-Lab	65.0795, -33.8978, 25.5517

Details

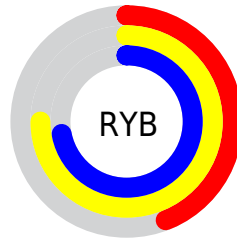
The Yxy color **42.3534, 0.3120, 0.4531** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **25.5266, 0.3097, 0.2262**, and the grayscale version is **35.5009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8501, 0.3135, 0.4275**, and **19.3629, 0.3074, 0.4962** is the 20% darker color. If you saturate the color by 10%, you get **40.8535, 0.3110, 0.4879**, and if you desaturate by 10%, it is **44.1723, 0.3126, 0.4190**.

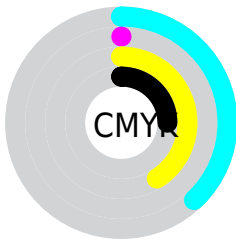
Distribution



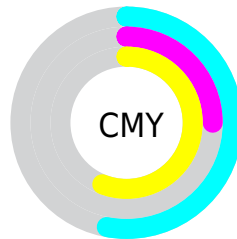
- Red (47%)
- Green (75%)
- Blue (44%)



- Red (44%)
- Yellow (75%)
- Blue (72%)



- Cyan (38%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)




- Cyan (53%)
- Magenta (25%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3534, 0.3120, 0.4531 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 42.3534, 0.3120, 0.4531 by changing the saturation by 10% instead.


 42.3534, 0.3120,
0.4531

 42.3534, 0.3120,
0.4531


355.9458, 0.3148,
0.3864

 29.3781, 0.3103,
0.4711

 78.7342, 0.3137,
0.4278


 19.3670, 0.3075,
0.4950


 102.9085, 0.3141,
0.4186

 11.9358, 0.3024,
0.5280


 131.5846, 0.3144,
0.4110

 6.7000, 0.2925,
0.5756

 165.1469, 0.3146,
0.4045

 3.2752, 0.2804,
0.6697

203.9798, 0.3147,
0.3990

 1.2770, 0.1558,
0.8442

248.4676, 0.3147,

 0.1233, 0.0000,

0.3942

1.0000

298.9948, 0.3148,
0.3901

0.0000, 0.0000,
0.0000

42.3534, 0.3120,
0.4531

42.3534, 0.3120,
0.4531

40.8535, 0.3110,
0.4879

44.1723, 0.3126,
0.4190

39.6493, 0.3095,
0.5215

46.3216, 0.3129,
0.3871

38.7227, 0.3077,
0.5512


48.8185, 0.3129,
0.3581


38.0512, 0.3056,
0.5748


51.6774, 0.3128,
0.3323

37.6091, 0.3035,
0.5906

54.9120, 0.3124,
0.3097

 37.3820, 0.3020,
0.5984

 58.5352, 0.3120,
0.2900

 62.5595, 0.3116,
0.2729

 65.7424, 0.3157,
0.2663

Harmonies

Analogous

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



42.3534, 0.3811, 0.4595



42.3534, 0.3120, 0.4531



42.3534, 0.2467, 0.3970

Triad

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



42.3534, 0.3120, 0.4531



42.3534, 0.1983, 0.2251



42.3534, 0.4352, 0.3200

Complementary

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



42.3534, 0.3120, 0.4531



25.5266, 0.3097, 0.2262

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.



42.3534, 0.3742, 0.2714



42.3534, 0.3120, 0.4531



42.3534, 0.2369, 0.2188

Square

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



42.3534, 0.3120, 0.4531



42.3534, 0.1864, 0.2582



42.3534, 0.2996, 0.2356



42.3534, 0.4574, 0.3740

Rectangle

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



42.3534, 0.3120, 0.4531



42.3534, 0.2142, 0.3453



42.3534, 0.2996, 0.2356



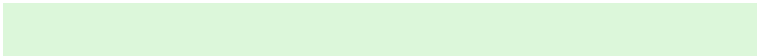
42.3534, 0.4182, 0.3028

Sweetspot

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



42.3552, 0.3120, 0.4531



87.0457, 0.3129, 0.3604



46.1533, 0.3775, 0.4212



18.9782, 0.3129, 0.3640



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.



42.3552, 0.3120, 0.4531



73.3103, 0.3111, 0.4859



42.7059, 0.2863, 0.4033



10.6893, 0.3129, 0.3526



24.5821, 0.3024, 0.5981



0.9768, 0.3110, 0.5913

Inverse Universe

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



25.5266, 0.3097, 0.2262



38.9566, 0.3084, 0.2046



25.1746, 0.3541, 0.2655



9.6518, 0.3124, 0.3063



8.3999, 0.2988, 0.1420



0.3419, 0.3045, 0.1451

Previews

White Background



This preview shows how the Yxy color 42.3534, 0.3120, 0.4531 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 42.3534, 0.3120, 0.4531 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 42.3534, 0.3120, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 42.3534, 0.3120, 0.4531.



This preview shows how white text looks on a background with the Yxy color 42.3534, 0.3120, 0.4531.

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

42.3534, 0.3120, 0.4531

Protanopia

41.7259, 0.3864, 0.4190

Deuteranopia

41.8458, 0.3968, 0.3894



Tritanopia

42.1842, 0.2661, 0.3077

Trichromacy



Original Color

42.3534, 0.3120, 0.4531

Protanomaly

41.6177, 0.3563, 0.4319

Deuteranomaly

41.0349, 0.3626, 0.4114

Tritanomaly

42.0817, 0.2831, 0.3589

Monochromacy



Original Color

42.3534, 0.3120, 0.4531

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.1287, 0.3125, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3534, 0.3120, 0.4531 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(119, 191, 112)` looks like.

```
.text, #text, p{  
    color:rgb(119, 191, 112)  
}
```

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(119, 191, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 191, 112) }
```

Border

The CSS property to change the border of an element to Yxy 42.3534, 0.3120, 0.4531 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(119, 191, 112) }
```

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

```
.border{ border-color:rgb(119, 191, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 191, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 191, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 191, 112);  
box-shadow:4px 4px 4px 4px rgb(119, 191,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3534, 0.3120, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 191, 112) }
```

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

```
.background{ background-color: rgb(119,  
191, 112) }
```

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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