

Converting Colors

$Yxy(42.6215, 0.3118, 0.4474)$

Have a look what the booklet for
Yxy(42.6215, 0.3118, 0.4474)
contains.

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Color

Yxy(42.6370, 0.3123, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	7ABF73
RGB	122, 191, 115
RGB Percent	48%, 75%, 45%
CMY	0.5214, 0.2510, 0.5490
CMYK	0.36, 0.00, 0.40, 0.25
HSL	114°, 37%, 60%
HSV	114°, 40%, 75%
XYZ	29.7554, 42.6370, 22.8858
YIQ	161.7050, -16.7280, -38.2640

Conversions

Conversions Part 2

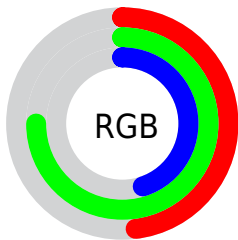
Format	Color
RYB	115, 191, 184
Decimal	8044403
CIELab	71.31, -36.82, 31.62
CIELCh	71, 48.534, 139.349
Yxy	42.6370, 0.3123, 0.4475
Android (android.graphics.Color)	4286234483 (0xFF7ABF73)
YUV	161.7050, -23.0256, -34.8213
Hunter-Lab	65.2970, -32.9286, 24.9275

Details

The Yxy color **42.6370, 0.3123, 0.4475** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **26.2153, 0.3096, 0.2300**, and the grayscale version is **36.1062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3091, 0.3137, 0.4234**, and **19.5382, 0.3087, 0.4883** is the 20% darker color. If you saturate the color by 10%, you get **41.0885, 0.3114, 0.4823**, and if you desaturate by 10%, it is **44.5059, 0.3128, 0.4137**.

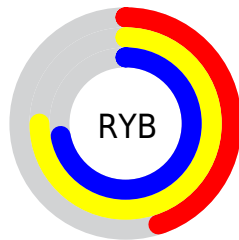
Distribution



Red (48%)

Green (75%)

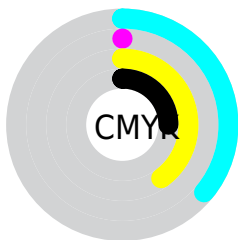
Blue (45%)



Red (45%)

Yellow (75%)

Blue (72%)

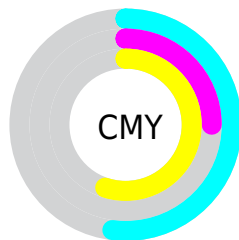


Cyan (36%)

Magenta (0%)

Yellow (40%)

Black (25%)



Cyan (52%)


Magenta (25%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6370, 0.3123, 0.4475 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 42.6370, 0.3123, 0.4475 by changing the saturation by 10% instead.


 42.6370, 0.3123,
0.4475


 42.6370, 0.3123,
0.4475


357.1168, 0.3147,
0.3840


 29.6004, 0.3108,
0.4646


 79.1628, 0.3138,
0.4234

 19.5355, 0.3083,
0.4874


 103.4208, 0.3142,
0.4147

 12.0578, 0.3037,
0.5187


 132.1880, 0.3144,
0.4074

 6.7831, 0.2950,
0.5640

165.8489, 0.3145,
0.4013

 3.3268, 0.2823,
0.6480

204.7878, 0.3146,
0.3960

 1.3046, 0.1823,
0.8177

249.3892, 0.3147,

 0.1448, 0.0000,

0.3915

1.0000

300.0374, 0.3147,
0.3875

0.0000, 0.0000,
0.0000

42.6370, 0.3123,
0.4475

42.6370, 0.3123,
0.4475

41.0885, 0.3114,
0.4823

44.5059, 0.3128,
0.4137

39.8375, 0.3100,
0.5162

46.7062, 0.3130,
0.3823

38.8662, 0.3082,
0.5467


49.2549, 0.3130,
0.3538


38.1530, 0.3062,
0.5714


52.1661, 0.3127,
0.3285


37.6730, 0.3039,
0.5885

55.4533, 0.3123,
0.3063

 37.3903, 0.3021,
0.5982

 59.1293, 0.3119,
0.2871

 37.3858, 0.3021,
0.5984

 63.2062, 0.3114,
0.2704

 65.7407, 0.3157,
0.2663

Harmonies

Analogous

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



42.6370, 0.3789, 0.4544



42.6370, 0.3123, 0.4475



42.6370, 0.2493, 0.3939

Triad

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



42.6370, 0.3123, 0.4475



42.6370, 0.2023, 0.2288



42.6370, 0.4303, 0.3208

Complementary

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



42.6370, 0.3123, 0.4475



26.2153, 0.3096, 0.2300

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.



42.6370, 0.3720, 0.2736



42.6370, 0.3123, 0.4475



42.6370, 0.2398, 0.2226

Square

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



42.6370, 0.3123, 0.4475



42.6370, 0.1907, 0.2611



42.6370, 0.3004, 0.2388



42.6370, 0.4518, 0.3731

Rectangle

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



42.6370, 0.3123, 0.4475



42.6370, 0.2178, 0.3447



42.6370, 0.3004, 0.2388



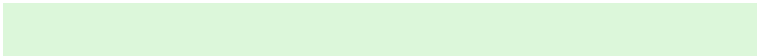
42.6370, 0.4141, 0.3041

Sweetspot

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



42.6388, 0.3123, 0.4475



87.0598, 0.3130, 0.3603



46.3465, 0.3750, 0.4178



18.9815, 0.3130, 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.



42.6388, 0.3123, 0.4475



73.8500, 0.3115, 0.4787



42.9637, 0.2871, 0.3999



10.6906, 0.3129, 0.3526



24.5860, 0.3025, 0.5980



0.9774, 0.3114, 0.5910

Inverse Universe

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



26.2153, 0.3096, 0.2300



40.2377, 0.3084, 0.2090



25.9009, 0.3519, 0.2680



9.6503, 0.3123, 0.3063



8.3568, 0.2981, 0.1416



0.3405, 0.3039, 0.1448

Previews

White Background



This preview shows how the Yxy color 42.6370, 0.3123, 0.4475 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 42.6370, 0.3123, 0.4475 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 42.6370, 0.3123, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 42.6370, 0.3123, 0.4475.



This preview shows how white text looks on a background with the Yxy color 42.6370, 0.3123, 0.4475.

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

42.6370, 0.3123, 0.4475

Protanopia

42.3020, 0.3844, 0.4161

Deuteranopia

41.9183, 0.3941, 0.3858



Tritanopia

42.3516, 0.2674, 0.3078

Trichromacy



Original Color

42.6370, 0.3123, 0.4475

Protanomaly

41.7895, 0.3550, 0.4274

Deuteranomaly

41.2220, 0.3611, 0.4071

Tritanomaly

42.3935, 0.2839, 0.3557

Monochromacy



Original Color

42.6370, 0.3123, 0.4475

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.1345, 0.3125, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6370, 0.3123, 0.4475 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(122, 191, 115)` looks like.

```
.text, #text, p{  
    color:rgb(122, 191, 115)  
}
```

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(122, 191, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 191, 115) }
```

Border

The CSS property to change the border of an element to Yxy 42.6370, 0.3123, 0.4475 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(122, 191, 115) }
```

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

```
.border{ border-color:rgb(122, 191, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 191, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 191, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 191, 115);  
box-shadow:4px 4px 4px 4px rgb(122, 191,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6370, 0.3123, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 191, 115) }
```

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

```
.background{ background-color: rgb(122,  
191, 115) }
```

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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