

Converting Colors

$Y_{xy}(10.2189, 0.4124, 0.4321)$

Have a look what the booklet for
Yxy(10.2189, 0.4124, 0.4321)
contains.

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Color

Yxy(10.1499, 0.4138, 0.4315)

Conversions

Conversions Part 1

Format	Color
Hex	69582A
RGB	105, 88, 42
RGB Percent	41%, 35%, 16%
CMY	0.5882, 0.6549, 0.8352
CMYK	0.00, 0.16, 0.60, 0.59
HSL	44°, 43%, 29%
HSV	44°, 60%, 41%
XYZ	9.7336, 10.1499, 3.6389
YIQ	87.8390, 24.8980, -10.7020

Conversions

Conversions Part 2

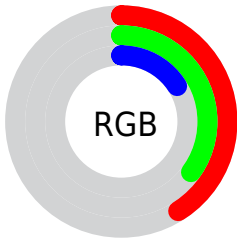
Format	Color
RYB	65, 105, 42
Decimal	6903850
CIELab	38.11, 0.69, 28.87
CIELCh	38, 28.880, 88.623
Yxy	10.1499, 0.4138, 0.4315
Android (android.graphics.Color)	4285093930 (0xFF69582A)
YUV	87.8390, -22.5986, 15.0502
Hunter-Lab	31.8589, -1.2177, 15.5292

Details

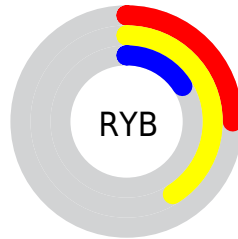
The Yxy color **10.1499, 0.4138, 0.4315** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.6428, 0.2139, 0.1958**, and the grayscale version is **9.7688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1673, 0.3884, 0.4067**, and **2.5685, 0.4596, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **9.6285, 0.4311, 0.4443**, and if you desaturate by 10%, it is **10.7101, 0.3957, 0.4161**.

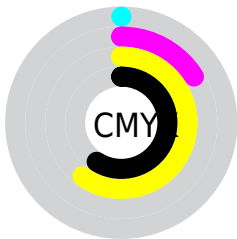
Distribution



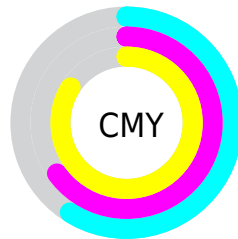
- Red (41%)
- Green (35%)
- Blue (16%)



- Red (25%)
- Yellow (41%)
- Blue (16%)



- Cyan (0%)
- Magenta (16%)
- Yellow (60%)
- Black (59%)




- Cyan (59%)
- Magenta (65%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1499, 0.4138, 0.4315 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 10.1499, 0.4138, 0.4315 by changing the saturation by 10% instead.


 10.1499, 0.4138,
0.4315


 10.1499, 0.4138,
0.4315


 191.7386, 0.3525,
0.3696


 5.4985, 0.4327,
0.4503

 26.0771, 0.3886,
0.4062


 2.5426, 0.4752,
0.4929


 38.1216, 0.3800,
0.3976

 0.8979, 0.4923,
0.5077

 53.3992, 0.3731,
0.3906

 0.0000, 0.0000,
0.0000

 72.2945, 0.3675,
0.3849

 95.1916, 0.3628,
0.3801

 122.4751, 0.3588,

0.3761

154.5293, 0.3554,
0.3726

■ 10.1499, 0.4138,
0.4315

■ 10.1499, 0.4138,
0.4315

■ 9.6285, 0.4311,
0.4443

■ 10.7101, 0.3957,
0.4161

■ 9.1426, 0.4469,
0.4538

■ 11.3092, 0.3776,
0.3992

■ 8.6908, 0.4605,
0.4592

■ 11.9492, 0.3599,
0.3814

■ 8.2646, 0.4732,
0.4625

■ 12.6314, 0.3430,
0.3634

■ 8.2635, 0.4732,
0.4625

■ 13.3572, 0.3272,
0.3459

■ 14.1278, 0.3127,
0.3290

■ 14.9442, 0.2994,
0.3130

■ 15.8077, 0.2873,
0.2980

■ 16.7192, 0.2765,
0.2841

Harmonies

Analogous

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



10.1499, 0.4443, 0.3876



10.1499, 0.4138, 0.4315



10.1499, 0.3577, 0.4521

Triad

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



10.1499, 0.4138, 0.4315



10.1499, 0.2026, 0.3011



10.1499, 0.3221, 0.2506

Complementary

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



10.1499, 0.4138, 0.4315



4.6428, 0.2139, 0.1958

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.



10.1499, 0.2586, 0.2289



10.1499, 0.4138, 0.4315



10.1499, 0.1956, 0.2513

Square

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



10.1499, 0.4138, 0.4315



10.1499, 0.2365, 0.3698



10.1499, 0.2147, 0.2280



10.1499, 0.3896, 0.2888

Rectangle

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



10.1499, 0.4138, 0.4315



10.1499, 0.3143, 0.4430



10.1499, 0.2147, 0.2280



10.1499, 0.2994, 0.2413

Sweetspot

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



10.1504, 0.4138, 0.4315



22.8035, 0.3406, 0.3609



4.9858, 0.4321, 0.2886



5.2766, 0.3442, 0.3648



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.1504, 0.4138, 0.4315



16.8776, 0.4378, 0.4487



12.5123, 0.3716, 0.4736



3.4522, 0.3257, 0.3441



10.4013, 0.4740, 0.4618



51.5093, 0.4779, 0.4588

Inverse Universe

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



4.6428, 0.2139, 0.1958



6.0657, 0.1916, 0.1593



3.5089, 0.2240, 0.1575



3.1458, 0.2997, 0.3134



2.3061, 0.1609, 0.0993



10.4848, 0.1584, 0.0903

Previews

White Background



This preview shows how the Yxy color 10.1499, 0.4138, 0.4315 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 10.1499, 0.4138, 0.4315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1499, 0.4138, 0.4315

Background



This preview shows how black text looks on a background with the Yxy color 10.1499, 0.4138, 0.4315.



This preview shows how white text looks on a background with the Yxy color 10.1499, 0.4138, 0.4315.

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

10.1499, 0.4138, 0.4315

Protanopia

10.1961, 0.4011, 0.4375

Deuteranopia

10.2095, 0.4257, 0.4212



Tritanopia

10.1590, 0.3481, 0.3157

Trichromacy



Original Color

10.1499, 0.4138, 0.4315

Protanomaly

10.1440, 0.4059, 0.4340

Deuteranomaly

10.2420, 0.4208, 0.4246

Tritanomaly

10.1530, 0.3748, 0.3589

Monochromacy



Original Color

10.1499, 0.4138, 0.4315

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.8141, 0.3498, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1499, 0.4138, 0.4315 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(105, 88, 42)` looks like.

```
.text, #text, p{  
    color:rgb(105, 88, 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(105, 88, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 88, 42) }
```

Border

The CSS property to change the border of an element to Yxy 10.1499, 0.4138, 0.4315 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(105, 88, 42) }
```

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

```
.border{ border-color:rgb(105, 88, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 88, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 88, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 88, 42);  
box-shadow:4px 4px 4px 4px rgb(105, 88,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1499, 0.4138, 0.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 88, 42) }
```

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

```
.background{ background-color: rgb(105, 88,  
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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