

Converting Colors

$Y_{xy}(41.7195, 0.3238, 0.3712)$

Have a look what the booklet for
Yxy(41.7195, 0.3238, 0.3712)
contains.

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Color

Yxy(41.7654, 0.3239, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	A3B294
RGB	163, 178, 148
RGB Percent	64%, 70%, 58%
CMY	0.3607, 0.3020, 0.4196
CMYK	0.08, 0.00, 0.17, 0.30
HSL	90°, 16%, 64%
HSV	90°, 17%, 70%
XYZ	36.3749, 41.7654, 34.1625
YIQ	170.0950, 0.6900, -12.5100

Conversions

Conversions Part 2

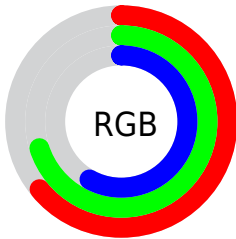
Format	Color
RYB	148, 178, 163
Decimal	10728084
CIELab	70.71, -10.73, 13.60
CIELCh	71, 17.320, 128.282
Yxy	41.7654, 0.3239, 0.3719
Android (android.graphics.Color)	4288918164 (0xFFA3B294)
YUV	170.0950, -10.8928, -6.2223
Hunter-Lab	64.6262, -12.6269, 13.8966

Details

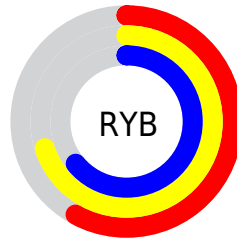
The Yxy color **41.7654, 0.3239, 0.3719** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.1785, 0.2999, 0.2862**, and the grayscale version is **40.3066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0153, 0.3219, 0.3640**, and **18.9098, 0.3270, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **40.3411, 0.3303, 0.3999**, and if you desaturate by 10%, it is **43.3458, 0.3173, 0.3457**.

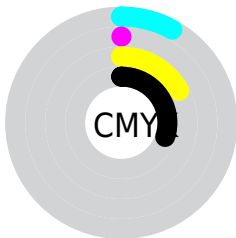
Distribution



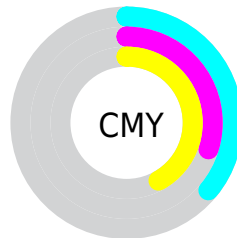
- Red (64%)
- Green (70%)
- Blue (58%)



- Red (58%)
- Yellow (70%)
- Blue (64%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (30%)





- Cyan (36%)
- Magenta (30%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7654, 0.3239, 0.3719 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 41.7654, 0.3239, 0.3719 by changing the saturation by 10% instead.


 41.7654, 0.3239,
0.3719

 41.7654, 0.3239,
0.3719

353.5095, 0.3184,
0.3496

 28.9176, 0.3252,
0.3777


 77.8444, 0.3220,
0.3636

 19.0185, 0.3268,
0.3854


 101.8445, 0.3212,
0.3605

 11.6837, 0.3289,
0.3960


130.3308, 0.3206,
0.3580

 6.5287, 0.3316,
0.4112

163.6877, 0.3200,
0.3558

 3.1691, 0.3352,
0.4354

202.2997, 0.3196,
0.3539

 1.2207, 0.3566,
0.5031

246.5510, 0.3191,

 0.0785, 0.0000,

0.3523

1.0000

296.8262, 0.3188,
0.3509

0.0000, 0.0000,
0.0000

41.7654, 0.3239,
0.3719

41.7654, 0.3239,
0.3719

40.3411, 0.3303,
0.3999

43.3458, 0.3173,
0.3457

39.0623, 0.3361,
0.4291

45.0819, 0.3106,
0.3217

37.9251, 0.3409,
0.4587

46.9803, 0.3042,
0.2998

36.9234, 0.3443,
0.4875

49.0455, 0.2980,
0.2801

36.0506, 0.3460,
0.5140

51.2818, 0.2921,
0.2625

■ 35.2994, 0.3456,
0.5368

■ 53.6934, 0.2866,
0.2468

■ 34.6616, 0.3430,
0.5547

■ 55.0983, 0.2932,
0.2482

■ 34.1259, 0.3385,
0.5672

■ 56.5646, 0.3000,
0.2498

■ 33.9722, 0.3369,
0.5707

■ 58.1063, 0.3069,
0.2514

Harmonies

Analogous

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



41.7654, 0.3467, 0.3721



41.7654, 0.3239, 0.3719



41.7654, 0.2988, 0.3587

Triad

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



41.7654, 0.3239, 0.3719



41.7654, 0.2668, 0.2957



41.7654, 0.3482, 0.3203

Complementary

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



41.7654, 0.3239, 0.3719



32.1785, 0.2999, 0.2862

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.



41.7654, 0.3255, 0.3018



41.7654, 0.3239, 0.3719



41.7654, 0.2788, 0.2876

Square

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



41.7654, 0.3239, 0.3719



41.7654, 0.2665, 0.3134



41.7654, 0.3001, 0.2900



41.7654, 0.3612, 0.3414

Rectangle

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



41.7654, 0.3239, 0.3719



41.7654, 0.2841, 0.3446



41.7654, 0.3001, 0.2900



41.7654, 0.3414, 0.3136

Sweetspot

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



41.7672, 0.3239, 0.3719



79.1434, 0.3161, 0.3413



37.6199, 0.3410, 0.3494



17.4874, 0.3166, 0.3431



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.



41.7672, 0.3239, 0.3719



74.8112, 0.3262, 0.3815



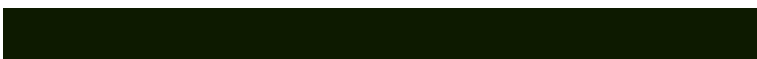
40.3203, 0.3111, 0.3736



9.6923, 0.3189, 0.3520



24.3463, 0.3377, 0.5700



0.8007, 0.3597, 0.5526

Inverse Universe

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



32.1785, 0.2999, 0.2862



54.3208, 0.2968, 0.2766



33.8008, 0.3141, 0.2880



8.4314, 0.3060, 0.3060



3.8502, 0.2035, 0.0895



0.1558, 0.2350, 0.1068

Previews

White Background



This preview shows how the Yxy color 41.7654, 0.3239, 0.3719 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 41.7654, 0.3239, 0.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

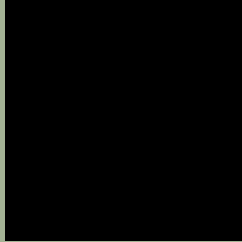
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7654, 0.3239, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 41.7654, 0.3239, 0.3719.



This preview shows how white text looks on a background with the Yxy color 41.7654, 0.3239, 0.3719.

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

41.7654, 0.3239, 0.3719

Protanopia

41.4945, 0.3453, 0.3660

Deuteranopia

41.3448, 0.3570, 0.3500



Tritanopia

41.8673, 0.2988, 0.3114

Trichromacy



Original Color

41.7654, 0.3239, 0.3719

Protanomaly

41.4614, 0.3373, 0.3680

Deuteranomaly

41.2337, 0.3451, 0.3575

Tritanomaly

41.8540, 0.3081, 0.3331

Monochromacy



Original Color

41.7654, 0.3239, 0.3719

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.7113, 0.3165, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7654, 0.3239, 0.3719 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(163, 178, 148)` looks like.

```
.text, #text, p{  
    color:rgb(163, 178, 148)  
}
```

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(163, 178, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 178, 148) }
```

Border

The CSS property to change the border of an element to Yxy 41.7654, 0.3239, 0.3719 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(163, 178, 148) }
```

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

```
.border{ border-color:rgb(163, 178, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 178, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 178, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 178, 148);  
box-shadow:4px 4px 4px 4px rgb(163, 178,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7654, 0.3239, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 178, 148) }
```

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

```
.background{ background-color: rgb(163,  
178, 148) }
```

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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