

Converting Colors

$Yxy(40.7494, 0.3117, 0.3728)$

Have a look what the booklet for
Yxy(40.7494, 0.3117, 0.3728)
contains.

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Color

Yxy(40.8942, 0.3115, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	96B395
RGB	150, 179, 149
RGB Percent	59%, 70%, 58%
CMY	0.4117, 0.2980, 0.4157
CMYK	0.16, 0.00, 0.17, 0.30
HSL	118°, 16%, 64%
HSV	118°, 17%, 70%
XYZ	34.1241, 40.8942, 34.5295
YIQ	166.9090, -7.6540, -15.4780

Conversions

Conversions Part 2

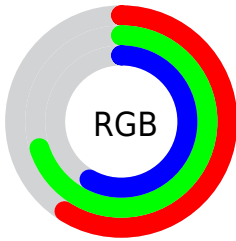
Format	Color
RYB	149, 179, 178
Decimal	9876373
CIELab	70.10, -15.76, 12.06
CIElCh	70, 19.848, 142.567
Yxy	40.8942, 0.3115, 0.3733
Android (android.graphics.Color)	4288066453 (0xFF96B395)
YUV	166.9090, -8.8291, -14.8292
Hunter-Lab	63.9486, -16.6591, 12.7500

Details

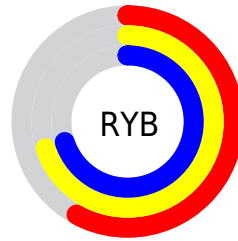
The Yxy color **40.8942, 0.3115, 0.3733** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.2150, 0.3136, 0.2881**, and the grayscale version is **38.6453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5658, 0.3117, 0.3650**, and **18.4562, 0.3111, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **38.8455, 0.3105, 0.4041**, and if you desaturate by 10%, it is **43.2766, 0.3123, 0.3457**.

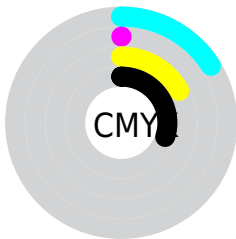
Distribution



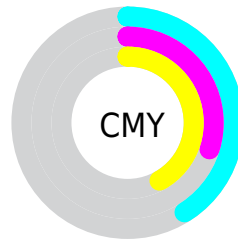
- Red (59%)
- Green (70%)
- Blue (58%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (30%)




- Cyan (41%)
- Magenta (30%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8942, 0.3115, 0.3733 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 40.8942, 0.3115, 0.3733 by changing the saturation by 10% instead.

 40.8942, 0.3115,
0.3733


 40.8942, 0.3115,
0.3733


349.8782, 0.3124,
0.3501

 28.2364, 0.3112,
0.3795

 76.5233, 0.3119,
0.3646

 18.5040, 0.3106,
0.3876


 100.2633, 0.3121,
0.3614

 11.3124, 0.3098,
0.3989


128.4663, 0.3122,
0.3587

 6.2774, 0.3083,
0.4156

161.5165, 0.3122,
0.3565

 3.0145, 0.3052,
0.4424

199.7985, 0.3123,
0.3545

 1.1393, 0.3094,
0.5198

243.6965, 0.3123,

 0.0113, 0.0000,

0.3528

1.0000

293.5949, 0.3124,
0.3514

0.0000, 0.0000,
0.0000

40.8942, 0.3115,
0.3733

40.8942, 0.3115,
0.3733

38.8455, 0.3105,
0.4041

43.2766, 0.3123,
0.3457

37.1106, 0.3094,
0.4376

46.0010, 0.3129,
0.3215

35.6756, 0.3080,
0.4726

49.0822, 0.3134,
0.3004

34.5235, 0.3065,
0.5074

52.5323, 0.3137,
0.2823

33.6357, 0.3049,
0.5396

56.3631, 0.3140,
0.2666

■ 32.9911, 0.3033,
0.5664

■ 60.4947, 0.3153,
0.2544

■ 32.5656, 0.3019,
0.5857

■ 60.7208, 0.3162,
0.2546

■ 32.3290, 0.3008,
0.5967

■ 32.2796, 0.3007,
0.5994

Harmonies

Analogous

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



40.8942, 0.3401, 0.3807



40.8942, 0.3115, 0.3733



40.8942, 0.2842, 0.3521

Triad

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



40.8942, 0.3115, 0.3733



40.8942, 0.2650, 0.2847



40.8942, 0.3627, 0.3302

Complementary

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



40.8942, 0.3115, 0.3733



34.2150, 0.3136, 0.2881

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.



40.8942, 0.3408, 0.3071



40.8942, 0.3115, 0.3733



40.8942, 0.2842, 0.2814

Square

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



40.8942, 0.3115, 0.3733



40.8942, 0.2581, 0.2999



40.8942, 0.3118, 0.2896



40.8942, 0.3705, 0.3541

Rectangle

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



40.8942, 0.3115, 0.3733



40.8942, 0.2701, 0.3338



40.8942, 0.3118, 0.2896



40.8942, 0.3567, 0.3222

Sweetspot

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



40.8959, 0.3115, 0.3733



78.2790, 0.3124, 0.3415



43.3967, 0.3378, 0.3679



17.2712, 0.3123, 0.3432



91.1408, 0.3127, 0.3290



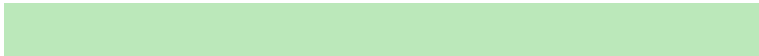
17.8868, 0.3127, 0.3290

Same Dimension

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



40.8959, 0.3115, 0.3733



71.8612, 0.3112, 0.3840



41.2573, 0.3002, 0.3530



9.5032, 0.3121, 0.3525



22.8156, 0.3009, 0.5993



0.7224, 0.3047, 0.5963

Inverse Universe

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



34.2150, 0.3136, 0.2881



57.6997, 0.3138, 0.2792



33.8148, 0.3275, 0.3062



8.6319, 0.3132, 0.3065



8.5828, 0.3127, 0.1496



0.2745, 0.3151, 0.1510

Previews

White Background



This preview shows how the Yxy color 40.8942, 0.3115, 0.3733 looks on a white background.

Color Contrast Check

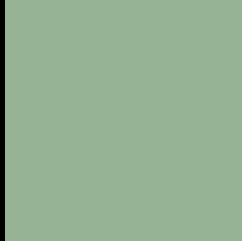
Large Text (above 18pt) WCAG AA × Fail

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 40.8942, 0.3115, 0.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

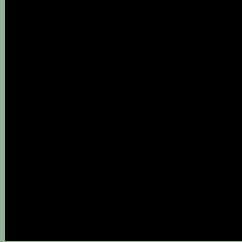
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8942, 0.3115, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 40.8942, 0.3115, 0.3733.



This preview shows how white text looks on a background with the Yxy color 40.8942, 0.3115, 0.3733.

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

40.8942, 0.3115, 0.3733

Protanopia

40.8735, 0.3437, 0.3649

Deuteranopia

40.6466, 0.3524, 0.3463



Tritanopia

40.9279, 0.2872, 0.3109

Trichromacy



Original Color

40.8942, 0.3115, 0.3733

Protanomaly

40.7824, 0.3317, 0.3687

Deuteranomaly

40.4488, 0.3366, 0.3553

Tritanomaly

40.9378, 0.2962, 0.3332

Monochromacy



Original Color

40.8942, 0.3115, 0.3733

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2410, 0.3129, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8942, 0.3115, 0.3733 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(150, 179, 149)` looks like.

```
.text, #text, p{  
    color:rgb(150, 179, 149)  
}
```

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(150, 179, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 179, 149) }
```

Border

The CSS property to change the border of an element to Yxy 40.8942, 0.3115, 0.3733 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(150, 179, 149) }
```

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

```
.border{ border-color:rgb(150, 179, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 179, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 179, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 179, 149);  
box-shadow:4px 4px 4px 4px rgb(150, 179,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8942, 0.3115, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 179, 149) }
```

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

```
.background{ background-color: rgb(150,  
179, 149) }
```

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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