

Converting Colors

$Y_{xy}(40.1370, 0.3127, 0.3772)$

Have a look what the booklet for
Yxy(40.1370, 0.3127, 0.3772)
contains.

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Color

Yxy(40.2120, 0.3122, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	94B292
RGB	148, 178, 146
RGB Percent	58%, 70%, 57%
CMY	0.4197, 0.3019, 0.4275
CMYK	0.17, 0.00, 0.18, 0.30
HSL	116°, 17%, 64%
HSV	116°, 18%, 70%
XYZ	33.3179, 40.2120, 33.1898
YIQ	165.3820, -7.6080, -16.3120

Conversions

Conversions Part 2

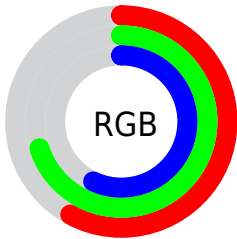
Format	Color
RYB	146, 178, 176
Decimal	9745042
CIELab	69.62, -16.51, 13.02
CIELCh	70, 21.024, 141.732
Yxy	40.2120, 0.3122, 0.3768
Android (android.graphics.Color)	4287935122 (0xFF94B292)
YUV	165.3820, -9.5553, -15.2440
Hunter-Lab	63.4129, -17.1866, 13.3571

Details

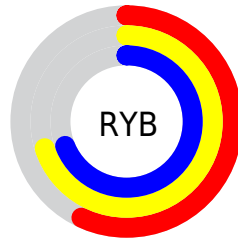
The Yxy color **40.2120, 0.3122, 0.3768** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.9956, 0.3128, 0.2849**, and the grayscale version is **37.8682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5723, 0.3122, 0.3675**, and **18.0348, 0.3121, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **38.2571, 0.3116, 0.4078**, and if you desaturate by 10%, it is **42.4809, 0.3126, 0.3489**.

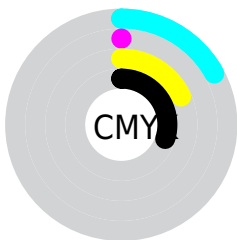
Distribution



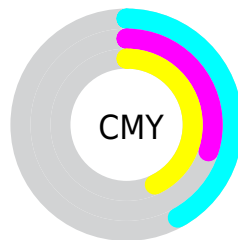
- Red (58%)
- Green (70%)
- Blue (57%)



- Red (57%)
- Yellow (70%)
- Blue (69%)



- Cyan (17%)
- Magenta (0%)
- Yellow (18%)
- Black (30%)





- Cyan (42%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2120, 0.3122, 0.3768 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 40.2120, 0.3122, 0.3768 by changing the saturation by 10% instead.


 40.2120, 0.3122,
0.3768


 40.2120, 0.3122,
0.3768


347.0163, 0.3128,
0.3516

 27.7039, 0.3119,
0.3835


 75.4862, 0.3125,
0.3673

 18.1026, 0.3114,
0.3925


 99.0211, 0.3126,
0.3639

 11.0236, 0.3107,
0.4048


127.0004, 0.3127,
0.3610

 6.0827, 0.3092,
0.4231

159.8085, 0.3127,
0.3585

 2.8955, 0.3060,
0.4528

197.8297, 0.3128,
0.3564

 1.0774, 0.3147,
0.5565

241.4485, 0.3128,

 0.0000, 0.0000,

0.3546

0.0000

291.0492, 0.3128,
0.3530

■ 40.2120, 0.3122,
0.3768

■ 40.2120, 0.3122,
0.3768

■ 38.2571, 0.3116,
0.4078

■ 42.4809, 0.3126,
0.3489

■ 36.5974, 0.3108,
0.4413

■ 45.0713, 0.3127,
0.3243

■ 35.2202, 0.3097,
0.4761

■ 47.9969, 0.3128,
0.3028

■ 34.1097, 0.3083,
0.5104

■ 51.2691, 0.3128,
0.2842

■ 33.2486, 0.3066,
0.5419

■ 54.8987, 0.3127,
0.2682

■ 32.6176, 0.3048,
0.5680

■ 58.8961, 0.3125,
0.2543

■ 32.1944, 0.3030,
0.5865

■ 60.3245, 0.3163,
0.2537

■ 31.9498, 0.3015,
0.5972

■ 31.9168, 0.3014,
0.5989

Harmonies

Analogous

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



40.2120, 0.3425, 0.3842



40.2120, 0.3122, 0.3768



40.2120, 0.2830, 0.3544

Triad

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



40.2120, 0.3122, 0.3768



40.2120, 0.2616, 0.2821



40.2120, 0.3656, 0.3295

Complementary

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



40.2120, 0.3122, 0.3768



32.9956, 0.3128, 0.2849

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.



40.2120, 0.3419, 0.3051



40.2120, 0.3122, 0.3768



40.2120, 0.2817, 0.2784

Square

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



40.2120, 0.3122, 0.3768



40.2120, 0.2548, 0.2985



40.2120, 0.3108, 0.2868



40.2120, 0.3743, 0.3549

Rectangle

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



40.2120, 0.3122, 0.3768



40.2120, 0.2679, 0.3349



40.2120, 0.3108, 0.2868



40.2120, 0.3590, 0.3210

Sweetspot

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



40.2137, 0.3122, 0.3768



78.3321, 0.3126, 0.3414



42.5419, 0.3398, 0.3702



17.2844, 0.3126, 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.



40.2137, 0.3122, 0.3768



71.2927, 0.3120, 0.3900



40.4865, 0.2997, 0.3558



9.5147, 0.3125, 0.3525



22.8444, 0.3017, 0.5987



0.7272, 0.3087, 0.5931

Inverse Universe

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



32.9956, 0.3128, 0.2849



55.5095, 0.3127, 0.2739



32.7018, 0.3283, 0.3037



8.6191, 0.3128, 0.3065



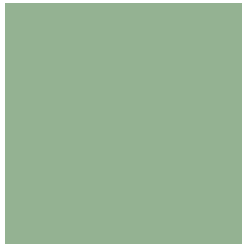
8.1758, 0.3055, 0.1456



0.2653, 0.3101, 0.1482

Previews

White Background



This preview shows how the Yxy color 40.2120, 0.3122, 0.3768 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 40.2120, 0.3122, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

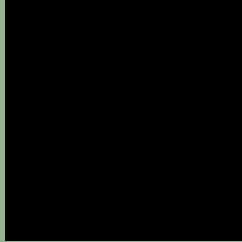
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2120, 0.3122, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 40.2120, 0.3122, 0.3768.



This preview shows how white text looks on a background with the Yxy color 40.2120, 0.3122, 0.3768.

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

40.2120, 0.3122, 0.3768

Protanopia

39.9126, 0.3459, 0.3666

Deuteranopia

39.8336, 0.3558, 0.3477



Tritanopia

40.0188, 0.2870, 0.3093

Trichromacy



Original Color

40.2120, 0.3122, 0.3768

Protanomaly

39.8130, 0.3337, 0.3705

Deuteranomaly

39.4905, 0.3388, 0.3569

Tritanomaly

39.8878, 0.2961, 0.3333

Monochromacy



Original Color

40.2120, 0.3122, 0.3768

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5890, 0.3128, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2120, 0.3122, 0.3768 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(148, 178, 146)` looks like.

```
.text, #text, p{  
    color:rgb(148, 178, 146)  
}
```

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(148, 178, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 178, 146) }
```

Border

The CSS property to change the border of an element to Yxy 40.2120, 0.3122, 0.3768 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(148, 178, 146) }
```

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

```
.border{ border-color:rgb(148, 178, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 178, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 178, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 178, 146);  
box-shadow:4px 4px 4px 4px rgb(148, 178,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2120, 0.3122, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 178, 146) }
```

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

```
.background{ background-color: rgb(148,  
178, 146) }
```

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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