

Converting Colors

$Y_{xy}(40.1818, 0.3123, 0.3520)$

Have a look what the booklet for
Yxy(40.1818, 0.3123, 0.3520)
contains.

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Color

Yxy(40.1117, 0.3125, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	9FAE9E
RGB	159, 174, 158
RGB Percent	62%, 68%, 62%
CMY	0.3766, 0.3176, 0.3804
CMYK	0.09, 0.00, 0.09, 0.32
HSL	116°, 9%, 65%
HSV	116°, 9%, 68%
XYZ	35.6004, 40.1117, 38.2092
YIQ	167.6910, -3.8040, -8.1560

Conversions

Conversions Part 2

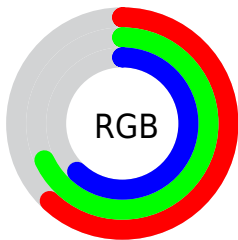
Format	Color
RYB	158, 174, 173
Decimal	10464926
CIELab	69.55, -8.33, 6.43
CIELCh	70, 10.519, 142.326
Yxy	40.1117, 0.3125, 0.3521
Android (android.graphics.Color)	4288655006 (0xFF9FAE9E)
YUV	167.6910, -4.7777, -7.6220
Hunter-Lab	63.3338, -10.4979, 8.5641

Details

The Yxy color **40.1117, 0.3125, 0.3521** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.3955, 0.3128, 0.3068**, and the grayscale version is **39.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1389, 0.3126, 0.3466**, and **18.1687, 0.3125, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **37.9949, 0.3121, 0.3803**, and if you desaturate by 10%, it is **42.5375, 0.3127, 0.3271**.

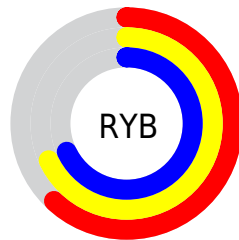
Distribution



Red (62%)

Green (68%)

Blue (62%)



Red (62%)

Yellow (68%)

Blue (68%)

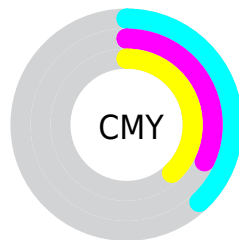


Cyan (9%)

Magenta (0%)

Yellow (9%)

Black (32%)



Cyan (38%)


Magenta (32%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1117, 0.3125, 0.3521 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 40.1117, 0.3125, 0.3521 by changing the saturation by 10% instead.

 40.1117, 0.3125,
0.3521


 40.1117, 0.3125,
0.3521


346.5941, 0.3127,
0.3401

 27.6256, 0.3124,
0.3553


 75.3336, 0.3126,
0.3476

 18.0437, 0.3123,
0.3594


 98.8382, 0.3126,
0.3460

 10.9813, 0.3121,
0.3651


126.7844, 0.3126,
0.3446

 6.0543, 0.3117,
0.3735

159.5567, 0.3127,
0.3434

 2.8781, 0.3110,
0.3869

197.5395, 0.3127,
0.3424

 1.0684, 0.3117,
0.4155

241.1170, 0.3127,

 0.0000, 0.0000,

0.3415

0.0000

290.6738, 0.3127,
0.3408

■ 40.1117, 0.3125,
0.3521

■ 40.1117, 0.3125,
0.3521

■ 37.9949, 0.3121,
0.3803

■ 42.5375, 0.3127,
0.3271

■ 36.1699, 0.3115,
0.4116

■ 45.2788, 0.3128,
0.3053

■ 34.6255, 0.3106,
0.4452

■ 48.3479, 0.3128,
0.2864

■ 33.3476, 0.3094,
0.4801

■ 51.7555, 0.3127,
0.2701

■ 32.3213, 0.3080,
0.5142

■ 55.5112, 0.3126,
0.2560

■ 31.5298, 0.3063,
0.5452

■ 58.7573, 0.3164,
0.2498

■ 30.9546, 0.3045,
0.5704

■ 30.5741, 0.3027,
0.5880

■ 30.3579, 0.3014,
0.5982

Harmonies

Analogous

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



40.1117, 0.3277, 0.3562



40.1117, 0.3125, 0.3521



40.1117, 0.2976, 0.3413

Triad

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



40.1117, 0.3125, 0.3521



40.1117, 0.2868, 0.3052



40.1117, 0.3391, 0.3300

Complementary

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



40.1117, 0.3125, 0.3521



36.3955, 0.3128, 0.3068

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.



40.1117, 0.3277, 0.3171



40.1117, 0.3125, 0.3521



40.1117, 0.2974, 0.3030

Square

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



40.1117, 0.3125, 0.3521



40.1117, 0.2830, 0.3139



40.1117, 0.3123, 0.3073



40.1117, 0.3433, 0.3430

Rectangle

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



40.1117, 0.3125, 0.3521



40.1117, 0.2899, 0.3319



40.1117, 0.3123, 0.3073



40.1117, 0.3360, 0.3255

Sweetspot

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



40.1134, 0.3125, 0.3521



75.3884, 0.3127, 0.3364



41.3346, 0.3263, 0.3497



16.6771, 0.3126, 0.3383



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.1134, 0.3125, 0.3521



71.9427, 0.3124, 0.3575



40.2597, 0.3060, 0.3420



8.9618, 0.3125, 0.3524



22.0159, 0.3017, 0.5987



0.6199, 0.3089, 0.5929

Inverse Universe

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



36.3955, 0.3128, 0.3068



63.8536, 0.3128, 0.3019



36.2436, 0.3200, 0.3164



8.1228, 0.3128, 0.3066



7.9022, 0.3059, 0.1459



0.2271, 0.3107, 0.1486

Previews

White Background



This preview shows how the Yxy color 40.1117, 0.3125, 0.3521 looks on a white background.

Color Contrast Check

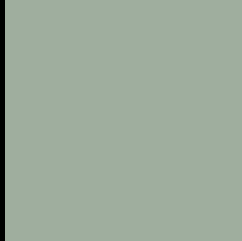
Large Text (above 18pt) WCAG AA × Fail

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 40.1117, 0.3125, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

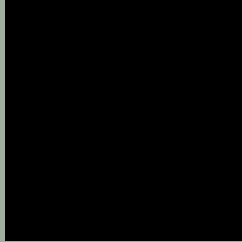
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1117, 0.3125, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 40.1117, 0.3125, 0.3521.



This preview shows how white text looks on a background with the Yxy color 40.1117, 0.3125, 0.3521.

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

40.1117, 0.3125, 0.3521

Protanopia

39.9726, 0.3314, 0.3485

Deuteranopia

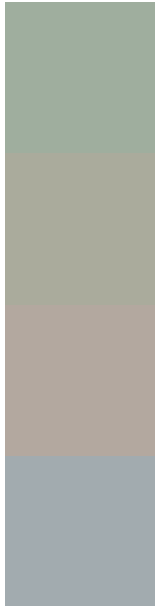
40.0361, 0.3412, 0.3344



Tritanopia

39.9967, 0.2952, 0.3096

Trichromacy



Original Color

40.1117, 0.3125, 0.3521

Protanomaly

40.0722, 0.3245, 0.3501

Deuteranomaly

40.0922, 0.3308, 0.3414

Tritanomaly

39.9023, 0.3015, 0.3234

Monochromacy



Original Color

40.1117, 0.3125, 0.3521

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.4291, 0.3132, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1117, 0.3125, 0.3521 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(159, 174, 158)` looks like.

```
.text, #text, p{  
    color:rgb(159, 174, 158)  
}
```

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(159, 174, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 174, 158) }
```

Border

The CSS property to change the border of an element to Yxy 40.1117, 0.3125, 0.3521 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(159, 174, 158) }
```

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

```
.border{ border-color:rgb(159, 174, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 174, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 174, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 174, 158);  
box-shadow:4px 4px 4px 4px rgb(159, 174,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1117, 0.3125, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 174, 158) }
```

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

```
.background{ background-color: rgb(159,  
174, 158) }
```

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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