

Converting Colors

$Y_{xy}(38.1980, 0.3115, 0.3557)$

Have a look what the booklet for
Yxy(38.1980, 0.3115, 0.3557)
contains.

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Color

Yxy(38.1980, 0.3115, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	99AB99
RGB	153, 171, 153
RGB Percent	60%, 67%, 60%
CMY	0.3999, 0.3294, 0.4001
CMYK	0.11, 0.00, 0.11, 0.33
HSL	120°, 10%, 64%
HSV	120°, 11%, 67%
XYZ	33.4514, 38.1980, 35.7388
YIQ	163.5660, -4.9500, -9.4140

Conversions

Conversions Part 2

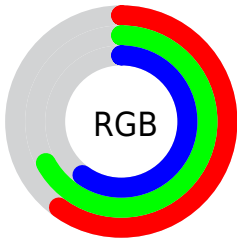
Format	Color
RYB	153, 171, 171
Decimal	10070937
CIELab	68.17, -9.77, 7.15
CIElCh	68, 12.108, 143.787
Yxy	38.1980, 0.3115, 0.3557
Android (android.graphics.Color)	4288261017 (0xFF99AB99)
YUV	163.5660, -5.2090, -9.2664
Hunter-Lab	61.8045, -11.5456, 8.9784

Details

The Yxy color **38.1980, 0.3115, 0.3557** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.3704, 0.3139, 0.3037**, and the grayscale version is **36.9363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1631, 0.3117, 0.3504**, and **16.9777, 0.3110, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **36.1310, 0.3102, 0.3845**, and if you desaturate by 10%, it is **40.5866, 0.3127, 0.3303**.

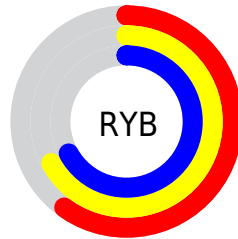
Distribution



Red (60%)

Green (67%)

Blue (60%)



Red (60%)

Yellow (67%)

Blue (67%)

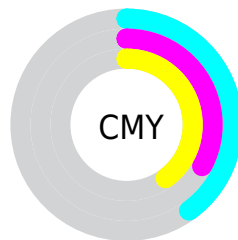


Cyan (11%)

Magenta (0%)

Yellow (11%)

Black (33%)



Cyan (40%)


Magenta (33%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1980, 0.3115, 0.3557 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 38.1980, 0.3115, 0.3557 by changing the saturation by 10% instead.


 38.1980, 0.3115,
0.3557


 38.1980, 0.3115,
0.3557


338.4686, 0.3122,
0.3417

 26.1364, 0.3113,
0.3594


 72.4115, 0.3118,
0.3504

 16.9257, 0.3109,
0.3644


 95.3322, 0.3119,
0.3485

 10.1815, 0.3104,
0.3713


122.6414, 0.3120,
0.3469

 5.5195, 0.3096,
0.3815

154.7235, 0.3121,
0.3455

 2.5552, 0.3080,
0.3981

191.9629, 0.3121,
0.3444

 0.9042, 0.3090,
0.4500

234.7439, 0.3122,

 0.0000, 0.0000,

0.3434

0.0000

283.4510, 0.3122,
0.3425

■ 38.1980, 0.3115,
0.3557

■ 38.1980, 0.3115,
0.3557

■ 36.1310, 0.3102,
0.3845

■ 40.5866, 0.3127,
0.3303

■ 34.3673, 0.3087,
0.4165

■ 43.3046, 0.3137,
0.3081

■ 32.8941, 0.3071,
0.4509

■ 46.3656, 0.3145,
0.2890

■ 31.6959, 0.3055,
0.4863

■ 49.7810, 0.3153,
0.2726

■ 30.7556, 0.3039,
0.5205

■ 53.5615, 0.3159,
0.2586

■ 30.0542, 0.3024,
0.5510

■ 57.6057, 0.3166,
0.2469

■ 29.5703, 0.3013,
0.5752

■ 29.2786, 0.3005,
0.5912

■ 29.1282, 0.3001,
0.6000

Harmonies

Analogous

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



38.1980, 0.3294, 0.3609



38.1980, 0.3115, 0.3557



38.1980, 0.2943, 0.3426

Triad

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



38.1980, 0.3115, 0.3557



38.1980, 0.2829, 0.3009



38.1980, 0.3441, 0.3308

Complementary

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



38.1980, 0.3115, 0.3557



34.3704, 0.3139, 0.3037

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.



38.1980, 0.3310, 0.3158



38.1980, 0.3115, 0.3557



38.1980, 0.2956, 0.2988

Square

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



38.1980, 0.3115, 0.3557



38.1980, 0.2781, 0.3106



38.1980, 0.3131, 0.3042



38.1980, 0.3486, 0.3459

Rectangle

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



38.1980, 0.3115, 0.3557



38.1980, 0.2855, 0.3316



38.1980, 0.3131, 0.3042



38.1980, 0.3406, 0.3256

Sweetspot

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



38.1996, 0.3115, 0.3557



71.5580, 0.3124, 0.3364



39.9696, 0.3281, 0.3540



15.8799, 0.3123, 0.3383



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



38.1996, 0.3115, 0.3557



67.3609, 0.3112, 0.3631



38.4940, 0.3043, 0.3426



8.9402, 0.3116, 0.3524



21.9588, 0.3001, 0.6000



0.6111, 0.3003, 0.5997

Inverse Universe

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



34.3704, 0.3139, 0.3037



58.9057, 0.3142, 0.2971



34.0537, 0.3220, 0.3158



8.1472, 0.3137, 0.3066



8.7110, 0.3204, 0.1539



0.2426, 0.3205, 0.1539

Previews

White Background



This preview shows how the Yxy color 38.1980, 0.3115, 0.3557 looks on a white background.

Color Contrast Check

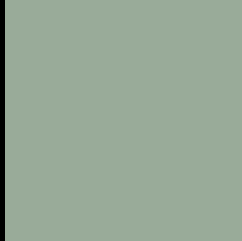
Large Text (above 18pt) WCAG AA × Fail

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 38.1980, 0.3115, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

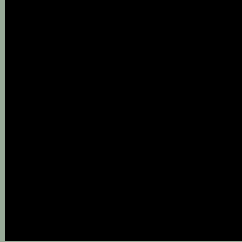
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

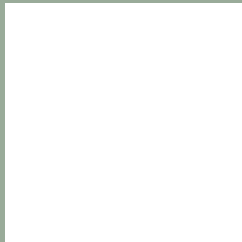
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1980, 0.3115, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 38.1980, 0.3115, 0.3557.



This preview shows how white text looks on a background with the Yxy color 38.1980, 0.3115, 0.3557.

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

38.1980, 0.3115, 0.3557

Protanopia

37.9965, 0.3337, 0.3503

Deuteranopia

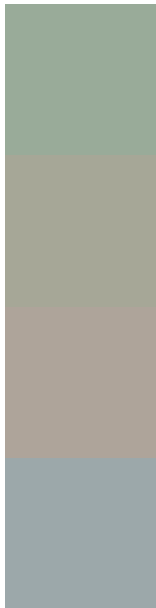
37.9473, 0.3429, 0.3359



Tritanopia

38.1008, 0.2931, 0.3105

Trichromacy



Original Color

38.1980, 0.3115, 0.3557

Protanomaly

37.9788, 0.3257, 0.3521

Deuteranomaly

37.8827, 0.3312, 0.3431

Tritanomaly

37.9755, 0.3003, 0.3261

Monochromacy



Original Color

38.1980, 0.3115, 0.3557

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.6491, 0.3122, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1980, 0.3115, 0.3557 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(153, 171, 153)` looks like.

```
.text, #text, p{  
    color:rgb(153, 171, 153)  
}
```

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(153, 171, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 171, 153) }
```

Border

The CSS property to change the border of an element to Yxy 38.1980, 0.3115, 0.3557 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(153, 171, 153) }
```

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

```
.border{ border-color:rgb(153, 171, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 171, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 171, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 171, 153);  
box-shadow:4px 4px 4px 4px rgb(153, 171,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1980, 0.3115, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 171, 153) }
```

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

```
.background{ background-color: rgb(153,  
171, 153) }
```

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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