

Converting Colors

$Y_{xy}(38.0786, 0.3255, 0.3893)$

Have a look what the booklet for
Yxy(38.0786, 0.3255, 0.3893)
contains.

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Color

Yxy(38.1599, 0.3260, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	97AD85
RGB	151, 173, 133
RGB Percent	59%, 68%, 52%
CMY	0.4079, 0.3215, 0.4784
CMYK	0.13, 0.00, 0.23, 0.32
HSL	93°, 20%, 60%
HSV	93°, 23%, 68%
XYZ	31.9387, 38.1599, 27.8729
YIQ	161.8620, -0.2720, -17.1040

Conversions

Conversions Part 2

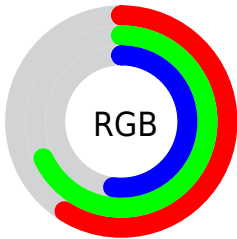
Format	Color
RYB	133, 173, 155
Decimal	9940357
CIELab	68.14, -15.05, 18.08
CIELCh	68, 23.522, 129.785
Yxy	38.1599, 0.3260, 0.3895
Android (android.graphics.Color)	4288130437 (0xFF97AD85)
YUV	161.8620, -14.2290, -9.5260
Hunter-Lab	61.7737, -15.8145, 16.4894

Details

The Yxy color **38.1599, 0.3260, 0.3895** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.7632, 0.2964, 0.2693**, and the grayscale version is **36.1315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1538, 0.3244, 0.3771**, and **17.0086, 0.3297, 0.4107** is the 20% darker color. If you saturate the color by 10%, you get **36.8477, 0.3312, 0.4187**, and if you desaturate by 10%, it is **39.6278, 0.3204, 0.3619**.

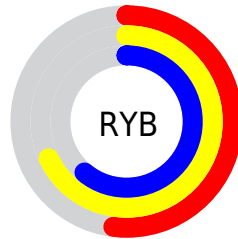
Distribution



Red (59%)

Green (68%)

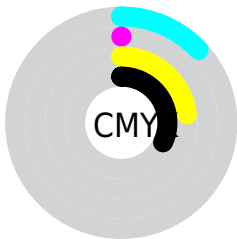
Blue (52%)



Red (52%)

Yellow (68%)

Blue (61%)

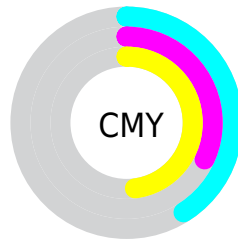


Cyan (13%)

Magenta (0%)

Yellow (23%)

Black (32%)



Cyan (41%)


Magenta (32%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1599, 0.3260, 0.3895 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 38.1599, 0.3260, 0.3895 by changing the saturation by 10% instead.


 38.1599, 0.3260,
0.3895


 38.1599, 0.3260,
0.3895


338.3054, 0.3196,
0.3574

 26.1068, 0.3274,
0.3982


 72.3532, 0.3238,
0.3774

 16.9036, 0.3292,
0.4097


 95.2621, 0.3229,
0.3729

 10.1658, 0.3313,
0.4257


 122.5585, 0.3222,
0.3693

 5.5090, 0.3336,
0.4495

154.6267, 0.3215,
0.3662

 2.5489, 0.3355,
0.4879

191.8511, 0.3210,
0.3635

 0.9010, 0.3517,
0.6483

234.6161, 0.3205,

 0.0000, 0.0000,

0.3612

0.0000

283.3060, 0.3200,
0.3592

■ 38.1599, 0.3260,
0.3895

■ 38.1599, 0.3260,
0.3895

■ 36.8477, 0.3312,
0.4187

■ 39.6278, 0.3204,
0.3619

■ 35.6806, 0.3356,
0.4489

■ 41.2515, 0.3145,
0.3365

■ 34.6542, 0.3388,
0.4788

■ 43.0379, 0.3087,
0.3133

■ 33.7622, 0.3405,
0.5072

■ 44.9916, 0.3031,
0.2924

■ 32.9975, 0.3402,
0.5324

■ 47.1171, 0.2977,
0.2737

■ 32.3520, 0.3380,
0.5530

■ 49.4188, 0.2926,
0.2571

■ 31.8168, 0.3338,
0.5680

■ 51.9010, 0.2879,
0.2423

■ 31.5009, 0.3304,
0.5759

■ 53.4653, 0.2946,
0.2434

■ 55.0578, 0.3020,
0.2452

Harmonies

Analogous

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



38.1599, 0.3584, 0.3898



38.1599, 0.3260, 0.3895



38.1599, 0.2912, 0.3699

Triad

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



38.1599, 0.3260, 0.3895



38.1599, 0.2499, 0.2814



38.1599, 0.3638, 0.3179

Complementary

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



38.1599, 0.3260, 0.3895



26.7632, 0.2964, 0.2693

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.



38.1599, 0.3321, 0.2926



38.1599, 0.3260, 0.3895



38.1599, 0.2669, 0.2717

Square

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



38.1599, 0.3260, 0.3895



38.1599, 0.2486, 0.3049



38.1599, 0.2964, 0.2761



38.1599, 0.3814, 0.3468

Rectangle

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



38.1599, 0.3260, 0.3895



38.1599, 0.2714, 0.3491



38.1599, 0.2964, 0.2761



38.1599, 0.3544, 0.3088

Sweetspot

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



38.1616, 0.3260, 0.3895



72.6766, 0.3169, 0.3464



34.0226, 0.3523, 0.3611



15.7583, 0.3172, 0.3478



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.



38.1616, 0.3260, 0.3895



67.0445, 0.3289, 0.4050



36.6255, 0.3082, 0.3893



9.1091, 0.3181, 0.3520



23.1734, 0.3311, 0.5753



0.6774, 0.3563, 0.5553

Inverse Universe

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



26.7632, 0.2964, 0.2693



42.8472, 0.2917, 0.2543



28.6011, 0.3174, 0.2753



7.9662, 0.3069, 0.3062



4.0459, 0.2140, 0.0952



0.1444, 0.2462, 0.1130

Previews

White Background



This preview shows how the Yxy color 38.1599, 0.3260, 0.3895 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 38.1599, 0.3260, 0.3895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

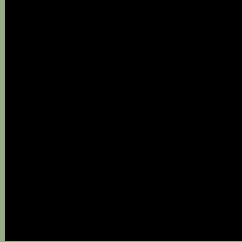
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1599, 0.3260, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 38.1599, 0.3260, 0.3895.



This preview shows how white text looks on a background with the Yxy color 38.1599, 0.3260, 0.3895.

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

38.1599, 0.3260, 0.3895

Protanopia

38.2313, 0.3557, 0.3799

Deuteranopia

37.7803, 0.3677, 0.3601



Tritanopia

38.2018, 0.2939, 0.3106

Trichromacy



Original Color

38.1599, 0.3260, 0.3895

Protanomaly

38.3395, 0.3449, 0.3840

Deuteranomaly

37.6473, 0.3517, 0.3701

Tritanomaly

37.9888, 0.3051, 0.3377

Monochromacy



Original Color

38.1599, 0.3260, 0.3895

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.7759, 0.3182, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1599, 0.3260, 0.3895 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(151, 173, 133)` looks like.

```
.text, #text, p{  
    color:rgb(151, 173, 133)  
}
```

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(151, 173, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 173, 133) }
```

Border

The CSS property to change the border of an element to Yxy 38.1599, 0.3260, 0.3895 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(151, 173, 133) }
```

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

```
.border{ border-color:rgb(151, 173, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 173, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 173, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 173, 133);  
box-shadow:4px 4px 4px 4px rgb(151, 173,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1599, 0.3260, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 173, 133) }
```

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

```
.background{ background-color: rgb(151,  
173, 133) }
```

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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