

Converting Colors

$Y_{xy}(21.1976, 0.3597, 0.3183)$

Have a look what the booklet for
Yxy(21.1976, 0.3597, 0.3183)
contains.

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Color

Yxy(21.1899, 0.3587, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	9E747B
RGB	158, 116, 123
RGB Percent	62%, 45%, 48%
CMY	0.3805, 0.5450, 0.5176
CMYK	0.00, 0.27, 0.22, 0.38
HSL	350°, 18%, 54%
HSV	350°, 27%, 62%
XYZ	23.9170, 21.1899, 21.5700
YIQ	129.3560, 22.7850, 11.0810

Conversions

Conversions Part 2

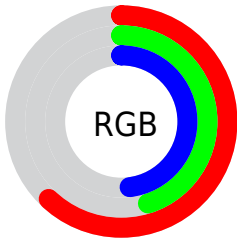
Format	Color
R_{YB}	158, 116, 123
Decimal	10384507
CIE _{Lab}	53.16, 17.58, 2.65
CIE _{LCh}	53, 17.774, 8.562
Yxy	21.1899, 0.3587, 0.3178
Android (android.graphics.Color)	4288574587 (0xFF9E747B)
YUV	129.3560, -3.1335, 25.1208
Hunter-Lab	46.0325, 12.1859, 4.4406

Details

The Yxy color $21.1899, 0.3587, 0.3178$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $30.3916, 0.2803, 0.3406$, and the grayscale version is $22.0897, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.2465, 0.3485, 0.3206$, and $7.5729, 0.3794, 0.3127$ is the 20% darker color. If you saturate the color by 10%, you get $17.5449, 0.3837, 0.3134$, and if you desaturate by 10%, it is $25.5005, 0.3383, 0.3222$.

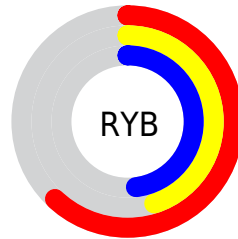
Distribution



Red (62%)

Green (45%)

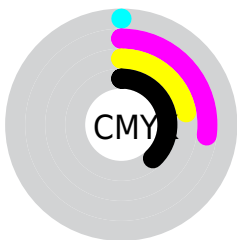
Blue (48%)



Red (62%)

Yellow (45%)

Blue (48%)

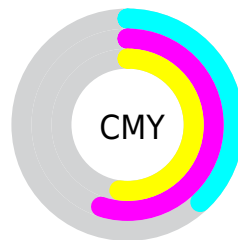


Cyan (0%)

Magenta (27%)

Yellow (22%)

Black (38%)



Cyan (38%)


Magenta (55%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1899, 0.3587, 0.3178 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 21.1899, 0.3587, 0.3178 by changing the saturation by 10% instead.

 21.1899, 0.3587,
0.3178


 21.1899, 0.3587,
0.3178


258.2860, 0.3326,
0.3244


 13.2629, 0.3665,
0.3157


 45.4034, 0.3483,
0.3205


 7.6098, 0.3776,
0.3128


 62.4586, 0.3447,
0.3214

 3.8463, 0.3942,
0.3082

 83.3254, 0.3418,
0.3221

 1.5880, 0.4223,
0.3000

 108.3881, 0.3393,
0.3227

 0.3495, 0.5828,
0.2675

138.0311, 0.3372,
0.3232

 0.0000, 0.0000,
0.0000

172.6388, 0.3355,

0.3237

212.5956, 0.3339,
0.3240

■ 21.1899, 0.3587,
0.3178

■ 21.1899, 0.3587,
0.3178

■ 17.5449, 0.3837,
0.3134

■ 25.5005, 0.3383,
0.3222

■ 14.5295, 0.4138,
0.3093

■ 30.5046, 0.3218,
0.3264

■ 12.1088, 0.4493,
0.3060


■ 36.2320, 0.3084,
0.3303


■ 10.2432, 0.4892,
0.3041


■ 42.7098, 0.2976,
0.3339


■ 8.8884, 0.5312,
0.3046


■ 49.9640, 0.2887,
0.3372

 7.9930, 0.5709,
0.3079


 58.0189, 0.2814,
0.3402

 7.4823, 0.6037,
0.3137

 66.8982, 0.2754,
0.3429

 7.3421, 0.6134,
0.3153

 76.6243, 0.2704,
0.3453

 85.1666, 0.2658,
0.3440

Harmonies

Analogous

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



21.1899, 0.3293, 0.2946



21.1899, 0.3587, 0.3178



21.1899, 0.3755, 0.3445

Triad

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



21.1899, 0.3587, 0.3178



21.1899, 0.3264, 0.3847



21.1899, 0.2544, 0.2859

Complementary

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



21.1899, 0.3587, 0.3178



30.3916, 0.2803, 0.3406

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.



21.1899, 0.2538, 0.3082



21.1899, 0.3587, 0.3178



21.1899, 0.2943, 0.3675

Square

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



21.1899, 0.3587, 0.3178



21.1899, 0.3559, 0.3846



21.1899, 0.2680, 0.3384



21.1899, 0.2696, 0.2762

Rectangle

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



21.1899, 0.3587, 0.3178



21.1899, 0.3767, 0.3615



21.1899, 0.2680, 0.3384



21.1899, 0.2525, 0.2921

Sweetspot

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



21.1909, 0.3587, 0.3178



53.8792, 0.3242, 0.3257



21.5394, 0.3075, 0.2631



11.8399, 0.3265, 0.3252



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.1909, 0.3587, 0.3178



34.3393, 0.3732, 0.3151



24.4930, 0.3623, 0.3517



6.6633, 0.3259, 0.3253



5.8869, 0.6117, 0.3143



0.1097, 0.5284, 0.2685

Inverse Universe

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



21.1909, 0.3587, 0.3178



34.3393, 0.3732, 0.3151



26.1240, 0.2727, 0.3051



6.6633, 0.3259, 0.3253



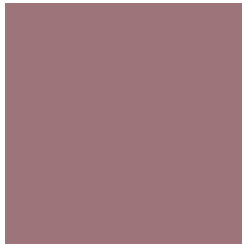
5.8869, 0.6117, 0.3143



0.1097, 0.5284, 0.2685

Previews

White Background



This preview shows how the Yxy color 21.1899, 0.3587, 0.3178 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1899, 0.3587, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

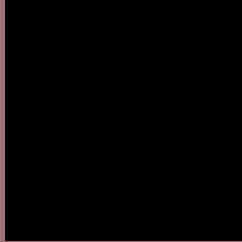
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1899, 0.3587, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 21.1899, 0.3587, 0.3178.



This preview shows how white text looks on a background with the Yxy color 21.1899, 0.3587, 0.3178.

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

21.1899, 0.3587, 0.3178

Protanopia

21.4308, 0.3129, 0.3254

Deuteranopia

21.3218, 0.3375, 0.3308



Tritanopia

21.2406, 0.3561, 0.3146

Trichromacy



Original Color

21.1899, 0.3587, 0.3178

Protanomaly

21.2737, 0.3290, 0.3221

Deuteranomaly

21.1340, 0.3459, 0.3257

Tritanomaly

21.2151, 0.3574, 0.3162

Monochromacy



Original Color

21.1899, 0.3587, 0.3178

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5231, 0.3288, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1899, 0.3587, 0.3178 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(158, 116, 123)` looks like.

```
.text, #text, p{  
    color:rgb(158, 116, 123)  
}
```

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(158, 116, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 116, 123) }
```

Border

The CSS property to change the border of an element to Yxy 21.1899, 0.3587, 0.3178 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(158, 116, 123) }
```

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

```
.border{ border-color:rgb(158, 116, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 116, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 116, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 116, 123);  
box-shadow:4px 4px 4px 4px rgb(158, 116,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1899, 0.3587, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 116, 123) }
```

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

```
.background{ background-color: rgb(158,  
116, 123) }
```

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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