

Converting Colors

$Y_{xy}(21.2245, 0.3730, 0.3580)$

Have a look what the booklet for
Yxy(21.2245, 0.3730, 0.3580)
contains.

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Color

Yxy(21.2535, 0.3721, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	977968
RGB	151, 121, 104
RGB Percent	59%, 47%, 41%
CMY	0.4079, 0.5255, 0.5922
CMYK	0.00, 0.20, 0.31, 0.41
HSL	22°, 18%, 50%
HSV	22°, 31%, 59%
XYZ	22.0968, 21.2535, 16.0337
YIQ	128.0320, 23.3370, 1.0730

Conversions

Conversions Part 2

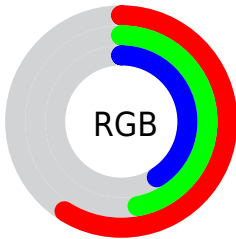
Format	Color
R_{YB}	151, 131, 104
Decimal	9927016
CIE _{Lab}	53.23, 9.06, 13.74
CIE _{LCh}	53, 16.458, 56.609
Yxy	21.2535, 0.3721, 0.3579
Android (android.graphics.Color)	4288117096 (0xFF977968)
YUV	128.0320, -11.8478, 20.1429
Hunter-Lab	46.1015, 4.8785, 11.6506

Details

The Yxy color **21.2535, 0.3721, 0.3579** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.2208, 0.2658, 0.2980**, and the grayscale version is **21.6340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3755, 0.3590, 0.3517**, and **7.5828, 0.3965, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **18.7488, 0.3976, 0.3675**, and if you desaturate by 10%, it is **24.0489, 0.3499, 0.3482**.

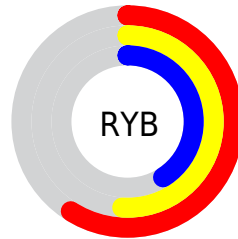
Distribution



Red (59%)

Green (47%)

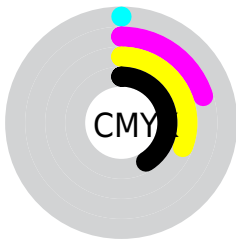
Blue (41%)



Red (59%)

Yellow (51%)

Blue (41%)

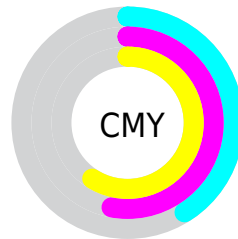


Cyan (0%)

Magenta (20%)

Yellow (31%)

Black (41%)



Cyan (41%)


Magenta (53%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2535, 0.3721, 0.3579 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 21.2535, 0.3721, 0.3579 by changing the saturation by 10% instead.


 21.2535, 0.3721,
0.3579


 21.2535, 0.3721,
0.3579


258.6227, 0.3383,
0.3422


 13.3094, 0.3822,
0.3622


 45.5090, 0.3587,
0.3519


 7.6420, 0.3964,
0.3679


 62.5893, 0.3540,
0.3498

 3.8667, 0.4175,
0.3756

 83.4838, 0.3502,
0.3480

 1.5993, 0.4561,
0.3896

 108.5768, 0.3470,
0.3465

 0.3571, 0.6108,
0.3892

138.2528, 0.3443,
0.3452

 0.0000, 0.0000,
0.0000

172.8962, 0.3420,

0.3441

212.8913, 0.3401,
0.3431

■ 21.2535, 0.3721,
0.3579

■ 21.2535, 0.3721,
0.3579

■ 18.7488, 0.3976,
0.3675

■ 24.0489, 0.3499,
0.3482

■ 16.5222, 0.4265,
0.3765

■ 27.1414, 0.3308,
0.3388

■ 14.5642, 0.4581,
0.3839


■ 30.5407, 0.3144,
0.3300


■ 12.8638, 0.4913,
0.3887


■ 34.2553, 0.3004,
0.3217


■ 11.4091, 0.5242,
0.3896


■ 38.2933, 0.2885,
0.3141


 10.1867, 0.5539,
0.3858

 42.6624, 0.2782,
0.3072

 9.2782, 0.5774,
0.3797

 47.3703, 0.2694,
0.3008

 52.4240, 0.2619,
0.2950

 57.8308, 0.2553,
0.2897

Harmonies

Analogous

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



21.2535, 0.3664, 0.3336



21.2535, 0.3721, 0.3579



21.2535, 0.3611, 0.3762

Triad

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



21.2535, 0.3721, 0.3579



21.2535, 0.2800, 0.3491



21.2535, 0.2868, 0.2804

Complementary

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



21.2535, 0.3721, 0.3579



22.2208, 0.2658, 0.2980

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.



21.2535, 0.2655, 0.2821



21.2535, 0.3721, 0.3579



21.2535, 0.2618, 0.3205

Square

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



21.2535, 0.3721, 0.3579



21.2535, 0.3074, 0.3725



21.2535, 0.2566, 0.2962



21.2535, 0.3159, 0.2904

Rectangle

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



21.2535, 0.3721, 0.3579



21.2535, 0.3462, 0.3820



21.2535, 0.2566, 0.2962



21.2535, 0.2786, 0.2796

Sweetspot

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



21.2545, 0.3721, 0.3579



49.7540, 0.3274, 0.3371



18.2148, 0.3373, 0.2786



11.1272, 0.3297, 0.3383



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



21.2545, 0.3721, 0.3579



35.0432, 0.3886, 0.3643



27.5058, 0.3613, 0.3940



6.5705, 0.3275, 0.3371



7.9449, 0.5763, 0.3806



0.1839, 0.5050, 0.4372

Inverse Universe

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



22.2208, 0.2658, 0.2980



37.0326, 0.2560, 0.2903



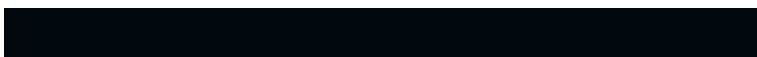
16.5560, 0.2608, 0.2543



6.6502, 0.2989, 0.3208



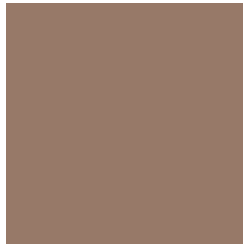
9.1255, 0.1913, 0.2087



0.2050, 0.2075, 0.2670

Previews

White Background



This preview shows how the Yxy color 21.2535, 0.3721, 0.3579 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 21.2535, 0.3721, 0.3579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

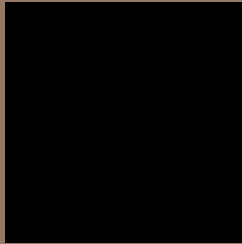
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2535, 0.3721, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 21.2535, 0.3721, 0.3579.



This preview shows how white text looks on a background with the Yxy color 21.2535, 0.3721, 0.3579.

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

21.2535, 0.3721, 0.3579

Protanopia

21.3086, 0.3441, 0.3652

Deuteranopia

21.2144, 0.3677, 0.3600



Tritanopia

21.2615, 0.3466, 0.3143

Trichromacy



Original Color

21.2535, 0.3721, 0.3579

Protanomaly

21.2833, 0.3536, 0.3627

Deuteranomaly

21.3081, 0.3690, 0.3598

Tritanomaly

21.2010, 0.3551, 0.3291

Monochromacy



Original Color

21.2535, 0.3721, 0.3579

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.2334, 0.3330, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2535, 0.3721, 0.3579 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, 121, 104)` looks like.

```
.text, #text, p{  
    color:rgb(151, 121, 104)  
}
```

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, 121, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 121, 104) }
```

Border

The CSS property to change the border of an element to Yxy 21.2535, 0.3721, 0.3579 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, 121, 104) }
```

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

```
.border{ border-color:rgb(151, 121, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 121, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 121, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 121, 104);  
box-shadow:4px 4px 4px 4px rgb(151, 121,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2535, 0.3721, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 121, 104) }
```

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

```
.background{ background-color: rgb(151,  
121, 104) }
```

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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