

Converting Colors

$Y_{xy}(21.2084, 0.3574, 0.3476)$

Have a look what the booklet for
Yxy(21.2084, 0.3574, 0.3476)
contains.

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Color

Yxy(21.2698, 0.3577, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	937A6F
RGB	147, 122, 111
RGB Percent	58%, 48%, 44%
CMY	0.4235, 0.5216, 0.5648
CMYK	0.00, 0.17, 0.25, 0.42
HSL	18°, 14%, 51%
HSV	18°, 25%, 58%
XYZ	21.8627, 21.2698, 17.9876
YIQ	128.2210, 18.4310, 1.8790

Conversions

Conversions Part 2

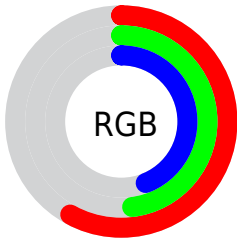
Format	Color
R_{YB}	147, 127, 111
Decimal	9665135
CIE Lab	53.24, 7.89, 9.64
CIE LCh	53, 12.462, 50.709
Yxy	21.2698, 0.3577, 0.3480
Android (android.graphics.Color)	4287855215 (0xFF937A6F)
YUV	128.2210, -8.4900, 16.4692
Hunter-Lab	46.1192, 3.9088, 9.1588

Details

The Yxy color **21.2698, 0.3577, 0.3480** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.0942, 0.2761, 0.3092**, and the grayscale version is **21.6930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3340, 0.3468, 0.3430**, and **7.6108, 0.3776, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **18.5968, 0.3818, 0.3562**, and if you desaturate by 10%, it is **24.2614, 0.3371, 0.3399**.

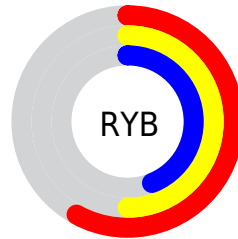
Distribution



Red (58%)

Green (48%)

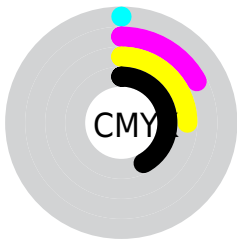
Blue (44%)



Red (58%)

Yellow (50%)

Blue (44%)

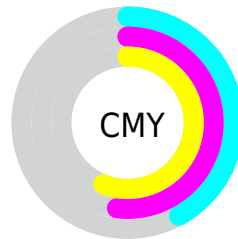


Cyan (0%)

Magenta (17%)

Yellow (25%)

Black (42%)



Cyan (42%)


Magenta (52%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2698, 0.3577, 0.3480 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 21.2698, 0.3577, 0.3480 by changing the saturation by 10% instead.


 21.2698, 0.3577,
0.3480


 21.2698, 0.3577,
0.3480


258.7089, 0.3321,
0.3376


 13.3214, 0.3654,
0.3509

 45.5361, 0.3475,
0.3440


 7.6502, 0.3762,
0.3548


 62.6228, 0.3440,
0.3426

 3.8720, 0.3925,
0.3602

 83.5243, 0.3411,
0.3414

 1.6022, 0.4199,
0.3682

 108.6251, 0.3387,
0.3404

 0.3591, 0.5979,
0.4021

138.3096, 0.3367,
0.3396

 0.0000, 0.0000,
0.0000

172.9621, 0.3349,

0.3388

212.9671, 0.3334,
0.3382

■ 21.2698, 0.3577,
0.3480

■ 21.2698, 0.3577,
0.3480

■ 18.5968, 0.3818,
0.3562

■ 24.2614, 0.3371,
0.3399

■ 16.2287, 0.4097,
0.3643

■ 27.5788, 0.3197,
0.3323

■ 14.1552, 0.4413,
0.3714

■ 31.2328, 0.3049,
0.3252

■ 12.3642, 0.4759,
0.3768

■ 35.2324, 0.2924,
0.3186

■ 10.8428, 0.5118,
0.3794

■ 39.5868, 0.2818,
0.3126

■ 9.5769, 0.5463,
0.3780

■ 44.3044, 0.2727,
0.3071

■ 8.5505, 0.5764,
0.3721

■ 49.3936, 0.2650,
0.3021

■ 8.0768, 0.5917,
0.3684

■ 54.8624, 0.2583,
0.2975

■ 60.7185, 0.2525,
0.2933

Harmonies

Analogous

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



21.2698, 0.3509, 0.3291



21.2698, 0.3577, 0.3480



21.2698, 0.3519, 0.3629

Triad

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



21.2698, 0.3577, 0.3480



21.2698, 0.2917, 0.3481



21.2698, 0.2893, 0.2913

Complementary

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



21.2698, 0.3577, 0.3480



23.0942, 0.2761, 0.3092

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.



21.2698, 0.2745, 0.2948



21.2698, 0.3577, 0.3480



21.2698, 0.2759, 0.3271

Square

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



21.2698, 0.3577, 0.3480



21.2698, 0.3134, 0.3639



21.2698, 0.2697, 0.3075



21.2698, 0.3107, 0.2972

Rectangle

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



21.2698, 0.3577, 0.3480



21.2698, 0.3419, 0.3683



21.2698, 0.2697, 0.3075



21.2698, 0.2834, 0.2914

Sweetspot

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



21.2708, 0.3577, 0.3480



47.7551, 0.3240, 0.3343



19.3536, 0.3287, 0.2869



10.8307, 0.3249, 0.3346



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.2708, 0.3577, 0.3480



35.5785, 0.3695, 0.3522



26.0522, 0.3510, 0.3771



6.0874, 0.3275, 0.3358



7.0404, 0.5907, 0.3692



0.1335, 0.5172, 0.4275

Inverse Universe

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



23.0942, 0.2761, 0.3092



39.3754, 0.2687, 0.3045



18.4876, 0.2734, 0.2758



6.2660, 0.2990, 0.3221



10.1202, 0.1969, 0.2287



0.1761, 0.2111, 0.2801

Previews

White Background



This preview shows how the Yxy color 21.2698, 0.3577, 0.3480 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 21.2698, 0.3577, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

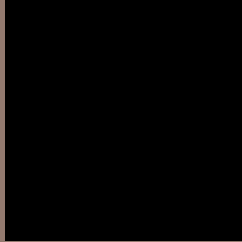
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2698, 0.3577, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 21.2698, 0.3577, 0.3480.



This preview shows how white text looks on a background with the Yxy color 21.2698, 0.3577, 0.3480.

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

21.2698, 0.3577, 0.3480

Protanopia

21.3802, 0.3347, 0.3525

Deuteranopia

21.4246, 0.3560, 0.3498



Tritanopia

21.1682, 0.3387, 0.3124

Trichromacy



Original Color

21.2698, 0.3577, 0.3480

Protanomaly

21.2628, 0.3427, 0.3504

Deuteranomaly

21.4246, 0.3560, 0.3498

Tritanomaly

21.1340, 0.3459, 0.3257

Monochromacy



Original Color

21.2698, 0.3577, 0.3480

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4777, 0.3281, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2698, 0.3577, 0.3480 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(147, 122, 111)` looks like.

```
.text, #text, p{  
    color:rgb(147, 122, 111)  
}
```

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(147, 122, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 122, 111) }
```

Border

The CSS property to change the border of an element to Yxy 21.2698, 0.3577, 0.3480 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(147, 122, 111) }
```

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

```
.border{ border-color:rgb(147, 122, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 122, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 122, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 122, 111);  
box-shadow:4px 4px 4px 4px rgb(147, 122,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2698, 0.3577, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 122, 111) }
```

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

```
.background{ background-color: rgb(147,  
122, 111) }
```

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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