

Converting Colors

$Y_{xy}(22.2667, 0.3454, 0.3211)$

Have a look what the booklet for
Yxy(22.2667, 0.3454, 0.3211)
contains.

Yxy(22.2237, 0.3455, 0.3209)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2237, 0.3455, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	997A7F
RGB	153, 122, 127
RGB Percent	60%, 48%, 50%
CMY	0.4000, 0.5216, 0.5020
CMYK	0.00, 0.20, 0.17, 0.40
HSL	350°, 13%, 54%
HSV	350°, 20%, 60%
XYZ	23.9274, 22.2237, 23.1032
YIQ	131.8390, 16.8710, 8.1270

Conversions

Conversions Part 2

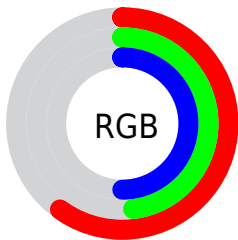
Format	Color
R_{YB}	153, 122, 127
Decimal	10058367
CIE _{Lab}	54.26, 12.85, 1.85
CIE _{LCh}	54, 12.983, 8.214
Yxy	22.2237, 0.3455, 0.3209
Android (android.graphics.Color)	4288248447 (0xFF997A7F)
YUV	131.8390, -2.3856, 18.5582
Hunter-Lab	47.1420, 8.1007, 3.9427

Details

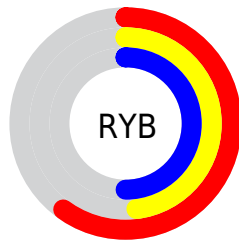
The Yxy color $22.2237, 0.3455, 0.3209$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $29.0610, 0.2875, 0.3373$, and the grayscale version is $23.0181, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.3651, 0.3381, 0.3230$, and $8.0818, 0.3579, 0.3170$ is the 20% darker color. If you saturate the color by 10%, you get $18.4446, 0.3676, 0.3166$, and if you desaturate by 10%, it is $26.6390, 0.3276, 0.3250$.

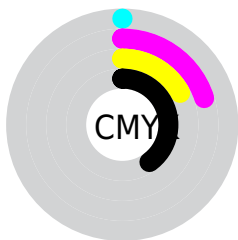
Distribution



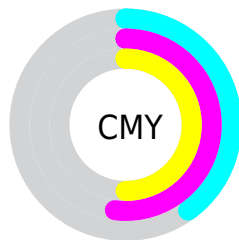
- Red (60%)
- Green (48%)
- Blue (50%)



- Red (60%)
- Yellow (48%)
- Blue (50%)



- Cyan (0%)
- Magenta (20%)
- Yellow (17%)
- Black (40%)




- Cyan (40%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2237, 0.3455, 0.3209 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 22.2237, 0.3455, 0.3209 by changing the saturation by 10% instead.


 22.2237, 0.3455,
0.3209


 22.2237, 0.3455,
0.3209


263.7123, 0.3270,
0.3256


 14.0214, 0.3510,
0.3195


 47.1154, 0.3382,
0.3228

 8.1355, 0.3586,
0.3174


 64.5736, 0.3356,
0.3234

 4.1818, 0.3701,
0.3143

 85.8859, 0.3336,
0.3239

 1.7758, 0.3893,
0.3090

111.4367, 0.3318,
0.3244

 0.4720, 0.4710,
0.2916

141.6103, 0.3303,
0.3247

 0.0000, 0.0000,
0.0000

176.7912, 0.3291,

0.3251

217.3637, 0.3280,
0.3253

■ 22.2237, 0.3455,
0.3209

■ 22.2237, 0.3455,
0.3209

■ 18.4446, 0.3676,
0.3166

■ 26.6390, 0.3276,
0.3250

■ 15.2696, 0.3945,
0.3125

■ 31.7150, 0.3131,
0.3289

■ 12.6681, 0.4267,
0.3087

■ 37.4782, 0.3013,
0.3325

■ 10.6058, 0.4641,
0.3060

■ 43.9530, 0.2917,
0.3357

■ 9.0446, 0.5053,
0.3049

■ 51.1626, 0.2838,
0.3387

■ 7.9414, 0.5471,
0.3064

■ 59.1291, 0.2774,
0.3414

■ 7.2460, 0.5848,
0.3106

■ 67.8737, 0.2720,
0.3438

■ 6.8414, 0.6143,
0.3157

■ 77.4166, 0.2676,
0.3461

■ 84.7366, 0.2631,
0.3429

Harmonies

Analogous

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



22.2237, 0.3245, 0.3037



22.2237, 0.3455, 0.3209



22.2237, 0.3575, 0.3406

Triad

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



22.2237, 0.3455, 0.3209



22.2237, 0.3232, 0.3686



22.2237, 0.2701, 0.2982

Complementary

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



22.2237, 0.3455, 0.3209



29.0610, 0.2875, 0.3373

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.



22.2237, 0.2699, 0.3147



22.2237, 0.3455, 0.3209



22.2237, 0.2999, 0.3565

Square

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



22.2237, 0.3455, 0.3209



22.2237, 0.3442, 0.3689



22.2237, 0.2806, 0.3362



22.2237, 0.2813, 0.2906

Rectangle

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



22.2237, 0.3455, 0.3209



22.2237, 0.3586, 0.3529



22.2237, 0.2806, 0.3362



22.2237, 0.2688, 0.3029

Sweetspot

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



22.2247, 0.3455, 0.3209



51.3238, 0.3212, 0.3267



22.5008, 0.3090, 0.2793



11.2184, 0.3220, 0.3264



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.



22.2247, 0.3455, 0.3209



36.8122, 0.3542, 0.3191



24.7723, 0.3484, 0.3460



6.2381, 0.3259, 0.3254



5.6573, 0.6128, 0.3149



0.0882, 0.5283, 0.2684

Inverse Universe

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



22.2247, 0.3455, 0.3209



36.8122, 0.3542, 0.3191



25.9844, 0.2822, 0.3114



6.2381, 0.3259, 0.3254



5.6573, 0.6128, 0.3149



0.0882, 0.5283, 0.2684

Previews

White Background



This preview shows how the Yxy color 22.2237, 0.3455, 0.3209 looks on a white background.

Color Contrast Check

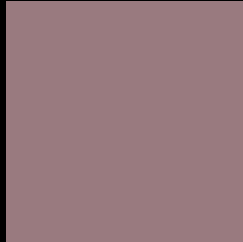
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2237, 0.3455, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

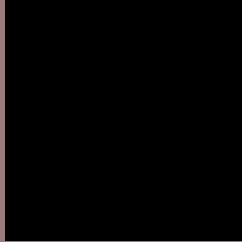
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2237, 0.3455, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 22.2237, 0.3455, 0.3209.



This preview shows how white text looks on a background with the Yxy color 22.2237, 0.3455, 0.3209.

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

22.2237, 0.3455, 0.3209

Protanopia

22.2447, 0.3140, 0.3255

Deuteranopia

22.3574, 0.3345, 0.3291



Tritanopia

22.0857, 0.3408, 0.3127

Trichromacy



Original Color

22.2237, 0.3455, 0.3209

Protanomaly

22.1089, 0.3250, 0.3222

Deuteranomaly

22.3766, 0.3384, 0.3274

Tritanomaly

22.0588, 0.3421, 0.3143

Monochromacy



Original Color

22.2237, 0.3455, 0.3209

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.6255, 0.3247, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2237, 0.3455, 0.3209 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, 122, 127)` looks like.

```
.text, #text, p{  
    color:rgb(153, 122, 127)  
}
```

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, 122, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 122, 127) }
```

Border

The CSS property to change the border of an element to Yxy 22.2237, 0.3455, 0.3209 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, 122, 127) }
```

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

```
.border{ border-color:rgb(153, 122, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 122, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 122, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 122, 127);  
box-shadow:4px 4px 4px 4px rgb(153, 122,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2237, 0.3455, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 122, 127) }
```

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

```
.background{ background-color: rgb(153,  
122, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor