

Converting Colors

$Y_{xy}(21.9606, 0.3414, 0.3174)$

Have a look what the booklet for
Yxy(21.9606, 0.3414, 0.3174)
contains.

Yxy(21.8390, 0.3408, 0.3158) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(21.8390, 0.3408, 0.3158)

Conversions

Conversions Part 1	
Format	Color
Hex	977981
RGB	151, 121, 129
RGB Percent	59%, 47%, 51%
CMY	0.4077, 0.5255, 0.4941
CMYK	0.00, 0.20, 0.15, 0.41
HSL	344°, 13%, 53%
HSV	344°, 20%, 59%
XYZ	23.5679, 21.8390, 23.7477
YIQ	130.8820, 15.3120, 8.8480

Conversions

Conversions Part 2

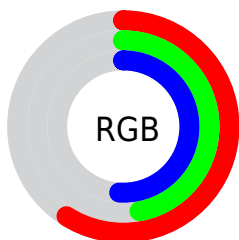
Format	Color
RYB	151, 121, 129
Decimal	9927041
CIELab	53.86, 13.02, 0.05
CIELCh	54, 13.019, 0.233
Yxy	21.8390, 0.3408, 0.3158
Android (android.graphics.Color)	4288117121 (0xFF977981)
YUV	130.8820, -0.9278, 17.6435
Hunter-Lab	46.7322, 8.2393, 2.5835

Details

The Yxy color $21.8390, 0.3408, 0.3158$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $28.1919, 0.2907, 0.3426$, and the grayscale version is $22.6536, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.3864, 0.3348, 0.3180$, and $7.9232, 0.3526, 0.3097$ is the 20% darker color. If you saturate the color by 10%, you get $18.1738, 0.3598, 0.3087$, and if you desaturate by 10%, it is $26.1128, 0.3253, 0.3226$.

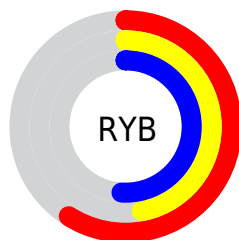
Distribution



Red (59%)

Green (47%)

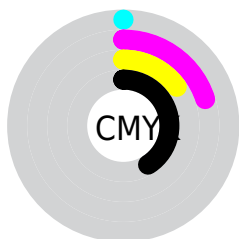
Blue (51%)



Red (59%)

Yellow (47%)

Blue (51%)

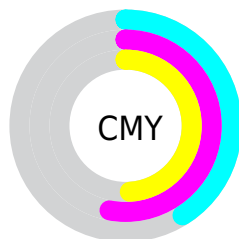


Cyan (0%)

Magenta (20%)

Yellow (15%)

Black (41%)



Cyan (41%)


Magenta (53%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8390, 0.3408, 0.3158 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 21.8390, 0.3408, 0.3158 by changing the saturation by 10% instead.


 21.8390, 0.3408,
0.3158


 21.8390, 0.3408,
0.3158


261.7043, 0.3250,
0.3233


 13.7386, 0.3455,
0.3136


 46.4798, 0.3345,
0.3187

 7.9391, 0.3521,
0.3105


 63.7889, 0.3324,
0.3198

 4.0560, 0.3619,
0.3058


 84.9365, 0.3306,
0.3206

 1.7049, 0.3783,
0.2981

110.3069, 0.3291,
0.3213

 0.4269, 0.4490,
0.2649


140.2845, 0.3278,
0.3219


 0.0000, 0.0000,
0.0000


175.2537, 0.3267,


0.3224

215.5988, 0.3258,
0.3229


 21.8390, 0.3408,
0.3158

 21.8390, 0.3408,
0.3158


 18.1738, 0.3598,
0.3087


 26.1128, 0.3253,
0.3226

 15.0865, 0.3827,
0.3017


 31.0181, 0.3126,
0.3291

 12.5484, 0.4101,
0.2952


 36.5803, 0.3022,
0.3350


 10.5267, 0.4420,
0.2900


 42.8225, 0.2938,
0.3405


 8.9856, 0.4776,
0.2870


 49.7667, 0.2868,
0.3455

 7.8844, 0.5150,
0.2874


 57.4338, 0.2810,
0.3500


 7.1756, 0.5511,
0.2918

 65.8439, 0.2763,
0.3542

 6.7426, 0.5834,
0.2988

 75.0164, 0.2723,
0.3579

 6.7383, 0.5837,
0.2989

 83.7389, 0.2687,
0.3593

Harmonies

Analogous

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



21.8390, 0.3183, 0.2998



21.8390, 0.3408, 0.3158



21.8390, 0.3559, 0.3354

Triad

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



21.8390, 0.3408, 0.3158



21.8390, 0.3294, 0.3702



21.8390, 0.2686, 0.3016

Complementary

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



21.8390, 0.3408, 0.3158



28.1919, 0.2907, 0.3426

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.



21.8390, 0.2714, 0.3201



21.8390, 0.3408, 0.3158



21.8390, 0.3059, 0.3610

Square

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



21.8390, 0.3408, 0.3158



21.8390, 0.3489, 0.3673



21.8390, 0.2848, 0.3421



21.8390, 0.2771, 0.2913

Rectangle

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



21.8390, 0.3408, 0.3158



21.8390, 0.3593, 0.3483



21.8390, 0.2848, 0.3421



21.8390, 0.2683, 0.3070

Sweetspot

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



21.8400, 0.3408, 0.3158



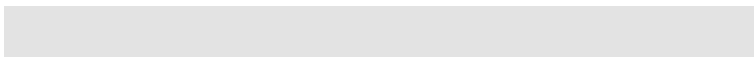
49.9193, 0.3202, 0.3251



21.7044, 0.3050, 0.2797



11.2317, 0.3209, 0.3247



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.



21.8400, 0.3408, 0.3158



35.9514, 0.3490, 0.3126



23.2706, 0.3487, 0.3399



6.2484, 0.3244, 0.3231



5.7338, 0.5821, 0.2980



0.0911, 0.4788, 0.2411

Inverse Universe

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



21.8400, 0.3408, 0.3158



35.9514, 0.3490, 0.3126



26.4054, 0.2832, 0.3178



6.2484, 0.3244, 0.3231



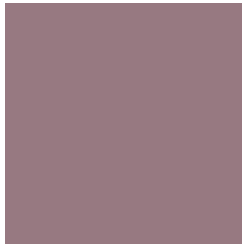
5.7338, 0.5821, 0.2980



0.0911, 0.4788, 0.2411

Previews

White Background



This preview shows how the Yxy color 21.8390, 0.3408, 0.3158 looks on a white background.

Color Contrast Check

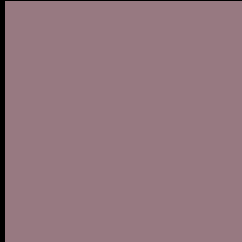
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8390, 0.3408, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

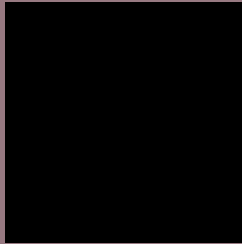
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8390, 0.3408, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 21.8390, 0.3408, 0.3158.



This preview shows how white text looks on a background with the Yxy color 21.8390, 0.3408, 0.3158.

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

21.8390, 0.3408, 0.3158

Protanopia

21.8776, 0.3096, 0.3202

Deuteranopia

21.8885, 0.3287, 0.3239



Tritanopia

21.8658, 0.3396, 0.3142

Trichromacy



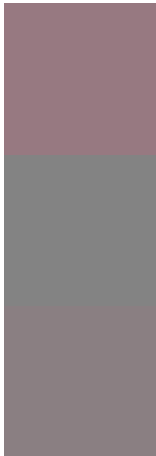
Original Color
21.8390, 0.3408, 0.3158

Protanomaly
21.7364, 0.3205, 0.3169

Deuteranomaly
21.9936, 0.3338, 0.3223

Tritanomaly
21.8658, 0.3396, 0.3142

Monochromacy



Original Color
21.8390, 0.3408, 0.3158

Achromatopsia
22.6966, 0.3127, 0.3290

Achromatomaly
22.1937, 0.3225, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8390, 0.3408, 0.3158 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(151, 121, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 121, 129) }
```

Border

The CSS property to change the border of an element to Yxy 21.8390, 0.3408, 0.3158 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, 129) }
```

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

```
.border{ border-color:rgb(151, 121, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 121, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 121, 129);  
box-shadow:4px 4px 4px 4px rgb(151, 121,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8390, 0.3408, 0.3158 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, 129) }
```

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

```
.background{ background-color: rgb(151,  
121, 129) }
```

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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