

Converting Colors

$Y_{xy}(21.8615, 0.3354, 0.3088)$

Have a look what the booklet for
Yxy(21.8615, 0.3354, 0.3088)
contains.

Yxy(21.9475, 0.3359, 0.3093)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9475, 0.3359, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	977985
RGB	151, 121, 133
RGB Percent	59%, 47%, 52%
CMY	0.4078, 0.5255, 0.4784
CMYK	0.00, 0.20, 0.12, 0.41
HSL	336°, 13%, 53%
HSV	336°, 20%, 59%
XYZ	23.8350, 21.9475, 25.1761
YIQ	131.3380, 14.0280, 10.0920

Conversions

Conversions Part 2

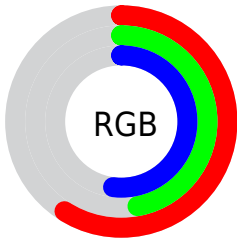
Format	Color
R_{YB}	151, 121, 133
Decimal	9927045
CIE Lab	53.97, 13.70, -2.12
CIE LCh	54, 13.866, 351.226
Yxy	21.9475, 0.3359, 0.3093
Android (android.graphics.Color)	4288117125 (0xFF977985)
YUV	131.3380, 0.8194, 17.2436
Hunter-Lab	46.8482, 8.8314, 0.9314

Details

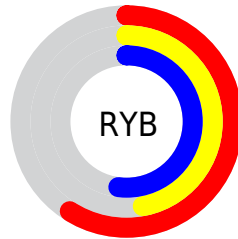
The Yxy color $21.9475, 0.3359, 0.3093$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $28.0636, 0.2942, 0.3496$, and the grayscale version is $22.8183, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.5541, 0.3314, 0.3132$, and $7.9841, 0.3448, 0.3001$ is the 20% darker color. If you saturate the color by 10%, you get $18.3215, 0.3513, 0.2988$, and if you desaturate by 10%, it is $26.1716, 0.3231, 0.3195$.

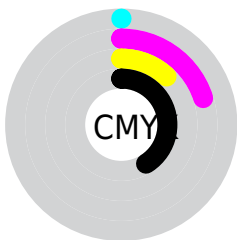
Distribution



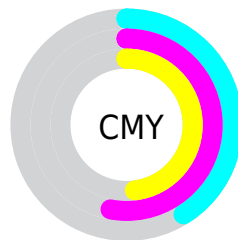
- Red (59%)
- Green (47%)
- Blue (52%)



- Red (59%)
- Yellow (47%)
- Blue (52%)



- Cyan (0%)
- Magenta (20%)
- Yellow (12%)
- Black (41%)




- Cyan (41%)
- Magenta (53%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9475, 0.3359, 0.3093 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 21.9475, 0.3359, 0.3093 by changing the saturation by 10% instead.


 21.9475, 0.3359,
0.3093


 21.9475, 0.3359,
0.3093


262.2720, 0.3229,
0.3203


 13.8183, 0.3397,
0.3061


 46.6592, 0.3308,
0.3136

 7.9944, 0.3450,
0.3017


 64.0105, 0.3290,
0.3151

 4.0914, 0.3529,
0.2952

 85.2047, 0.3275,
0.3164

 1.7248, 0.3660,
0.2846

110.6261, 0.3263,
0.3174

 0.4396, 0.4137,
0.2417

140.6591, 0.3253,
0.3183

 0.0000, 0.0000,
0.0000

175.6882, 0.3244,

0.3190

216.0977, 0.3236,
0.3197

■ 21.9475, 0.3359,
0.3093

■ 21.9475, 0.3359,
0.3093

■ 18.3215, 0.3513,
0.2988

■ 26.1716, 0.3231,
0.3195

■ 15.2634, 0.3697,
0.2883

■ 31.0162, 0.3126,
0.3291

■ 12.7449, 0.3915,
0.2784

■ 36.5062, 0.3039,
0.3381

■ 10.7340, 0.4165,
0.2700

■ 42.6645, 0.2968,
0.3464

■ 9.1952, 0.4445,
0.2642

■ 49.5125, 0.2908,
0.3540

■ 8.0887, 0.4744,
0.2621

■ 57.0708, 0.2859,
0.3609

■ 7.3676, 0.5044,
0.2648

■ 65.3592, 0.2819,
0.3673

■ 6.9166, 0.5334,
0.2713

■ 74.3966, 0.2785,
0.3731

■ 6.9111, 0.5338,
0.2714

■ 82.9801, 0.2754,
0.3764

Harmonies

Analogous

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



21.9475, 0.3109, 0.2943



21.9475, 0.3359, 0.3093



21.9475, 0.3550, 0.3293

Triad

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



21.9475, 0.3359, 0.3093



21.9475, 0.3374, 0.3733



21.9475, 0.2655, 0.3049

Complementary

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



21.9475, 0.3359, 0.3093



28.0636, 0.2942, 0.3496

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.



21.9475, 0.2720, 0.3264



21.9475, 0.3359, 0.3093



21.9475, 0.3130, 0.3674

Square

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



21.9475, 0.3359, 0.3093



21.9475, 0.3557, 0.3664



21.9475, 0.2891, 0.3497



21.9475, 0.2710, 0.2912

Rectangle

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



21.9475, 0.3359, 0.3093



21.9475, 0.3614, 0.3434



21.9475, 0.2891, 0.3497



21.9475, 0.2664, 0.3115

Sweetspot

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



21.9485, 0.3359, 0.3093



49.9872, 0.3189, 0.3232



21.3556, 0.3004, 0.2790



11.2485, 0.3196, 0.3226



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.



21.9485, 0.3359, 0.3093



36.1801, 0.3427, 0.3045



22.2507, 0.3499, 0.3333



6.2616, 0.3224, 0.3201



5.8844, 0.5322, 0.2706



0.0949, 0.4324, 0.2156

Inverse Universe

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



21.9485, 0.3359, 0.3093



36.1801, 0.3427, 0.3045



27.6380, 0.2836, 0.3247



6.2616, 0.3224, 0.3201



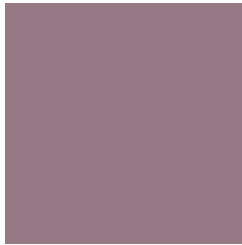
5.8844, 0.5322, 0.2706



0.0949, 0.4324, 0.2156

Previews

White Background



This preview shows how the Yxy color 21.9475, 0.3359, 0.3093 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 21.9475, 0.3359, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

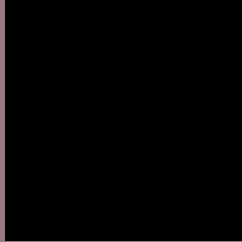
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9475, 0.3359, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 21.9475, 0.3359, 0.3093.



This preview shows how white text looks on a background with the Yxy color 21.9475, 0.3359, 0.3093.

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

21.9475, 0.3359, 0.3093

Protanopia

21.9116, 0.3042, 0.3131

Deuteranopia

21.9086, 0.3229, 0.3170



Tritanopia

21.8927, 0.3383, 0.3126

Trichromacy



Original Color

21.9475, 0.3359, 0.3093

Protanomaly

21.7632, 0.3148, 0.3101

Deuteranomaly

22.0105, 0.3279, 0.3155

Tritanomaly

21.9200, 0.3371, 0.3110

Monochromacy



Original Color

21.9475, 0.3359, 0.3093

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2480, 0.3202, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9475, 0.3359, 0.3093 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(151, 121, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 121, 133) }
```

Border

The CSS property to change the border of an element to Yxy 21.9475, 0.3359, 0.3093 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, 133) }
```

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

```
.border{ border-color:rgb(151, 121, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 121, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 121, 133);  
box-shadow:4px 4px 4px 4px rgb(151, 121,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9475, 0.3359, 0.3093 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, 133) }
```

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

```
.background{ background-color: rgb(151,  
121, 133) }
```

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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