

Converting Colors

$Y_{xy}(21.6262, 0.3327, 0.2969)$

Have a look what the booklet for
Yxy(21.6262, 0.3327, 0.2969)
contains.

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Color

Yxy(21.5641, 0.3329, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	99768A
RGB	153, 118, 138
RGB Percent	60%, 46%, 54%
CMY	0.4000, 0.5372, 0.4588
CMYK	0.00, 0.23, 0.10, 0.40
HSL	326°, 15%, 53%
HSV	326°, 23%, 60%
XYZ	24.2033, 21.5641, 26.9369
YIQ	130.7450, 14.4400, 13.6400

Conversions

Conversions Part 2

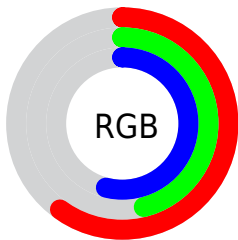
Format	Color
RYB	153, 118, 138
Decimal	10057354
CIELab	53.56, 17.09, -5.62
CIELCh	54, 17.986, 341.795
Yxy	21.5641, 0.3329, 0.2966
Android (android.graphics.Color)	4288247434 (0xFF99768A)
YUV	130.7450, 3.5767, 19.5176
Hunter-Lab	46.4372, 11.7700, -1.8865

Details

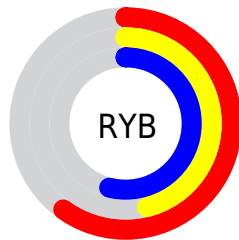
The Yxy color $21.5641, 0.3329, 0.2966$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $28.3268, 0.2966, 0.3638$, and the grayscale version is $22.5851, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.9209, 0.3292, 0.3036$, and $7.7275, 0.3401, 0.2839$ is the 20% darker color. If you saturate the color by 10%, you get $18.0650, 0.3445, 0.2818$, and if you desaturate by 10%, it is $25.6611, 0.3231, 0.3112$.

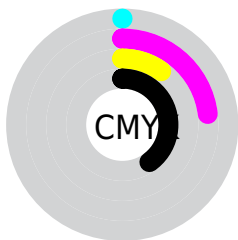
Distribution



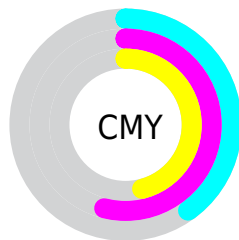
- Red (60%)
- Green (46%)
- Blue (54%)



- Red (60%)
- Yellow (46%)
- Blue (54%)



- Cyan (0%)
- Magenta (23%)
- Yellow (10%)
- Black (40%)





- Cyan (40%)
- Magenta (54%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5641, 0.3329, 0.2966 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 21.5641, 0.3329, 0.2966 by changing the saturation by 10% instead.


 21.5641, 0.3329,
0.2966


 21.5641, 0.3329,
0.2966


260.2614, 0.3217,
0.3145

 13.5370, 0.3361,
0.2915


 46.0245, 0.3285,
0.3035

 7.7993, 0.3406,
0.2845


 63.2265, 0.3270,
0.3060

 3.9668, 0.3471,
0.2742

 84.2556, 0.3257,
0.3080

 1.6550, 0.3576,
0.2580

109.4962, 0.3247,
0.3097

 0.3943, 0.3943,
0.1963

139.3327, 0.3238,
0.3112

 0.0000, 0.0000,
0.0000

174.1495, 0.3230,

0.3124

214.3309, 0.3223,
0.3135

■ 21.5641, 0.3329,
0.2966

■ 21.5641, 0.3329,
0.2966

■ 18.0650, 0.3445,
0.2818

■ 25.6611, 0.3231,
0.3112

■ 15.1325, 0.3580,
0.2672

■ 30.3796, 0.3148,
0.3251

■ 12.7369, 0.3735,
0.2537

■ 35.7452, 0.3079,
0.3383

■ 10.8447, 0.3908,
0.2421

■ 41.7816, 0.3022,
0.3505

■ 9.4184, 0.4096,
0.2336

■ 48.5109, 0.2974,
0.3619

■ 8.4154, 0.4292,
0.2294

■ 55.9545, 0.2934,
0.3723

■ 7.7848, 0.4490,
0.2300

■ 64.1327, 0.2901,
0.3819

■ 7.4684, 0.4631,
0.2325

■ 73.0650, 0.2874,
0.3906

■ 82.3220, 0.2851,
0.3979

Harmonies

Analogous

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



21.5641, 0.2998, 0.2805



21.5641, 0.3329, 0.2966



21.5641, 0.3616, 0.3205

Triad

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



21.5641, 0.3329, 0.2966



21.5641, 0.3533, 0.3858



21.5641, 0.2528, 0.3051

Complementary

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



21.5641, 0.3329, 0.2966



28.3268, 0.2966, 0.3638

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.



21.5641, 0.2656, 0.3350



21.5641, 0.3329, 0.2966



21.5641, 0.3230, 0.3840

Square

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



21.5641, 0.3329, 0.2966



21.5641, 0.3734, 0.3715



21.5641, 0.2909, 0.3650



21.5641, 0.2550, 0.2840

Rectangle

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



21.5641, 0.3329, 0.2966



21.5641, 0.3735, 0.3385



21.5641, 0.2909, 0.3650



21.5641, 0.2554, 0.3144

Sweetspot

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



21.5651, 0.3329, 0.2966



50.6643, 0.3182, 0.3193



20.2101, 0.2914, 0.2697



11.0903, 0.3186, 0.3186



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.



21.5651, 0.3329, 0.2966



35.5704, 0.3381, 0.2897



21.1081, 0.3543, 0.3243



6.2789, 0.3199, 0.3163



6.1794, 0.4618, 0.2317



0.0997, 0.3891, 0.1917

Inverse Universe

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



21.5651, 0.3329, 0.2966



35.5704, 0.3381, 0.2897



28.8384, 0.2822, 0.3338



6.2789, 0.3199, 0.3163



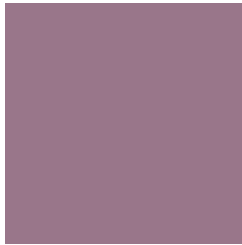
6.1794, 0.4618, 0.2317



0.0997, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 21.5641, 0.3329, 0.2966 looks on a white background.

Color Contrast Check

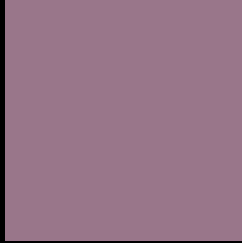
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5641, 0.3329, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

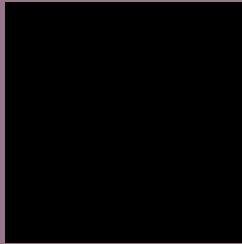
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5641, 0.3329, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 21.5641, 0.3329, 0.2966.



This preview shows how white text looks on a background with the Yxy color 21.5641, 0.3329, 0.2966.

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

21.5641, 0.3329, 0.2966

Protanopia

21.6280, 0.2936, 0.2992

Deuteranopia

21.5398, 0.3138, 0.3067



Tritanopia

21.6933, 0.3423, 0.3143

Trichromacy



Original Color

21.5641, 0.3329, 0.2966

Protanomaly

21.6025, 0.3071, 0.2982

Deuteranomaly

21.5648, 0.3212, 0.3038

Tritanomaly

21.5350, 0.3388, 0.3077

Monochromacy



Original Color

21.5641, 0.3329, 0.2966

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.1319, 0.3193, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5641, 0.3329, 0.2966 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, 118, 138)` looks like.

```
.text, #text, p{  
    color:rgb(153, 118, 138)  
}
```

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, 118, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 118, 138) }
```

Border

The CSS property to change the border of an element to Yxy 21.5641, 0.3329, 0.2966 is called "border". The border property can be set on classes, ids or directly on the HTML element.

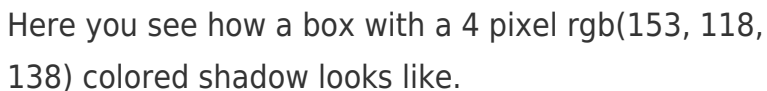
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 118, 138) }
```

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

```
.border{ border-color:rgb(153, 118, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 118, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 118, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 118, 138); box-shadow:4px 4px 4px 4px rgb(153, 118, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5641, 0.3329, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 118, 138) }
```

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

```
.background{ background-color: rgb(153,  
118, 138) }
```

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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