

Converting Colors

$Y_{xy}(20.7414, 0.2954, 0.2586)$

Have a look what the booklet for
Yxy(20.7414, 0.2954, 0.2586)
contains.

Yxy(20.7448, 0.2959, 0.2594)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7448, 0.2959, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	8E749F
RGB	142, 116, 159
RGB Percent	56%, 45%, 62%
CMY	0.4430, 0.5451, 0.3764
CMYK	0.11, 0.27, 0.00, 0.38
HSL	276°, 18%, 54%
HSV	276°, 27%, 62%
XYZ	23.6638, 20.7448, 35.5637
YIQ	128.6760, 1.6930, 18.8850

Conversions

Conversions Part 2

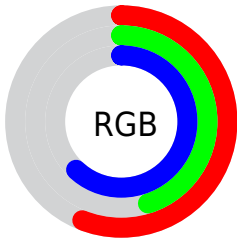
Format	Color
R_{YB}	142, 116, 159
Decimal	9335967
CIE _{Lab}	52.67, 18.56, -19.34
CIE _{LCh}	53, 26.805, 313.820
Yxy	20.7448, 0.2959, 0.2594
Android (android.graphics.Color)	4287526047 (0xFF8E749F)
YUV	128.6760, 14.9497, 11.6851
Hunter-Lab	45.5465, 13.0339, -14.4124

Details

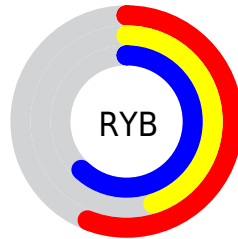
The Yxy color $20.7448, 0.2959, 0.2594$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.0456, 0.3256, 0.4009$, and the grayscale version is $21.7818, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5961, 0.2998, 0.2733$, and $7.4199, 0.2885, 0.2369$ is the 20% darker color. If you saturate the color by 10%, you get $16.8489, 0.2878, 0.2316$, and if you desaturate by 10%, it is $25.3012, 0.3030, 0.2864$.

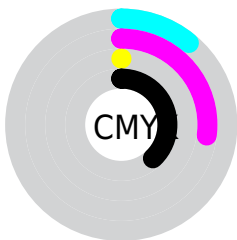
Distribution



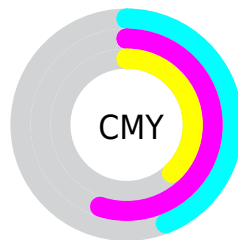
- Red (56%)
- Green (45%)
- Blue (62%)



- Red (56%)
- Yellow (45%)
- Blue (62%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (38%)



- Cyan (44%)
- Magenta (55%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7448, 0.2959, 0.2594 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 20.7448, 0.2959, 0.2594 by changing the saturation by 10% instead.


 20.7448, 0.2959,
0.2594


 20.7448, 0.2959,
0.2594


255.9191, 0.3060,
0.2970


 12.9376, 0.2927,
0.2490


 44.6624, 0.3000,
0.2738


 7.3856, 0.2881,
0.2351


 61.5416, 0.3014,
0.2790

 3.7044, 0.2810,
0.2154

 82.2136, 0.3025,
0.2833

 1.5096, 0.2689,
0.1859

 107.0628, 0.3035,
0.2869

 0.2955, 0.2538,
0.1022

136.4735, 0.3042,
0.2900

 0.0000, 0.0000,
0.0000

170.8302, 0.3049,

0.2927

210.5173, 0.3055,
0.2950

■ 20.7448, 0.2959,
0.2594

■ 20.7448, 0.2959,
0.2594

■ 16.8489, 0.2878,
0.2316

■ 25.3012, 0.3030,
0.2864

■ 13.5783, 0.2788,
0.2039

■ 30.5457, 0.3090,
0.3120

■ 10.8987, 0.2691,
0.1773

■ 36.5074, 0.3141,
0.3358

■ 8.7712, 0.2587,
0.1530

■ 43.2129, 0.3184,
0.3577

■ 7.1521, 0.2482,
0.1323

■ 50.6875, 0.3220,
0.3777

■ 5.9907, 0.2379,
0.1161

■ 58.9554, 0.3249,
0.3957

■ 5.2078, 0.2282,
0.1046

■ 68.0395, 0.3272,
0.4119

■ 5.0046, 0.2254,
0.1015

■ 77.9619, 0.3291,
0.4265

■ 86.0992, 0.3313,
0.4359

Harmonies

Analogous

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



20.7448, 0.2540, 0.2506



20.7448, 0.2959, 0.2594



20.7448, 0.3459, 0.2834

Triad

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



20.7448, 0.2959, 0.2594



20.7448, 0.4023, 0.3928



20.7448, 0.2407, 0.3337

Complementary

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



20.7448, 0.2959, 0.2594



31.0456, 0.3256, 0.4009

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.



20.7448, 0.2762, 0.3818



20.7448, 0.2959, 0.2594



20.7448, 0.3698, 0.4154

Square

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



20.7448, 0.2959, 0.2594



20.7448, 0.4101, 0.3569



20.7448, 0.3234, 0.4132



20.7448, 0.2242, 0.2889

Rectangle

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



20.7448, 0.2959, 0.2594



20.7448, 0.3765, 0.3056



20.7448, 0.3234, 0.4132



20.7448, 0.2506, 0.3504

Sweetspot

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



20.7457, 0.2959, 0.2594



53.6045, 0.3084, 0.3093



23.0454, 0.2700, 0.2844



11.7666, 0.3076, 0.3056



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.7457, 0.2959, 0.2594



33.1314, 0.2916, 0.2440



22.2174, 0.3207, 0.2695



6.6238, 0.3078, 0.3065



3.9767, 0.2261, 0.1019



0.0951, 0.2653, 0.1235

Inverse Universe

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



21.5531, 0.3472, 0.3020



34.8628, 0.3567, 0.2962



29.8763, 0.3056, 0.3968



6.6873, 0.3225, 0.3202



6.1108, 0.5350, 0.2721



0.1173, 0.4385, 0.2189

Previews

White Background



This preview shows how the Yxy color 20.7448, 0.2959, 0.2594 looks on a white background.

Color Contrast Check

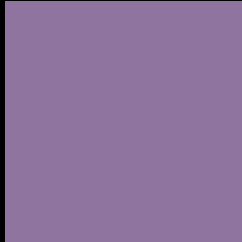
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7448, 0.2959, 0.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

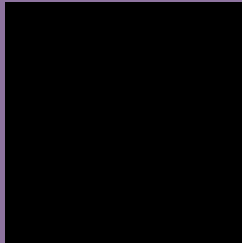
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7448, 0.2959, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 20.7448, 0.2959, 0.2594.



This preview shows how white text looks on a background with the Yxy color 20.7448, 0.2959, 0.2594.

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

20.7448, 0.2959, 0.2594

Protanopia

20.7768, 0.2622, 0.2586

Deuteranopia

20.7721, 0.2753, 0.2688



Tritanopia

20.7167, 0.3222, 0.3116

Trichromacy



Original Color

20.7448, 0.2959, 0.2594

Protanomaly

20.6791, 0.2736, 0.2583

Deuteranomaly

20.5687, 0.2825, 0.2648

Tritanomaly

20.6057, 0.3120, 0.2916

Monochromacy



Original Color

20.7448, 0.2959, 0.2594

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.3771, 0.3069, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7448, 0.2959, 0.2594 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(142, 116, 159)` looks like.

```
.text, #text, p{  
    color:rgb(142, 116, 159)  
}
```

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(142, 116, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 116, 159) }
```

Border

The CSS property to change the border of an element to Yxy 20.7448, 0.2959, 0.2594 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(142, 116, 159) }
```

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

```
.border{ border-color:rgb(142, 116, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 116, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 116, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 116, 159);  
box-shadow:4px 4px 4px 4px rgb(142, 116,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7448, 0.2959, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 116, 159) }
```

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

```
.background{ background-color: rgb(142,  
116, 159) }
```

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