

Converting Colors

$Y_{xy}(21.1897, 0.2922, 0.2439)$

Have a look what the booklet for
Yxy(21.1897, 0.2922, 0.2439)
contains.

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Color

Yxy(21.1951, 0.2923, 0.2440)

Conversions

Conversions Part 1

Format	Color
Hex	9472A9
RGB	148, 114, 169
RGB Percent	58%, 45%, 66%
CMY	0.4196, 0.5529, 0.3373
CMYK	0.12, 0.33, 0.00, 0.34
HSL	277°, 24%, 55%
HSV	277°, 33%, 66%
XYZ	25.3907, 21.1951, 40.2794
YIQ	130.4360, 2.6090, 24.3130

Conversions

Conversions Part 2

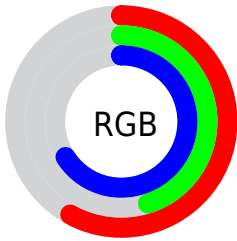
Format	Color
R_{YB}	148, 114, 169
Decimal	9728681
CIE _{Lab}	53.16, 23.91, -24.33
CIE _{LCh}	53, 34.107, 314.500
Yxy	21.1951, 0.2923, 0.2440
Android (android.graphics.Color)	4287918761 (0xFF9472A9)
YUV	130.4360, 19.0121, 15.4036
Hunter-Lab	46.0381, 17.8786, -19.6469

Details

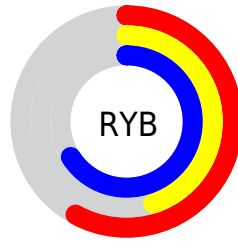
The Yxy color **21.1951, 0.2923, 0.2440** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **34.7331, 0.3273, 0.4178**, and the grayscale version is **22.4168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3508, 0.2979, 0.2612**, and **7.5517, 0.2816, 0.2143** is the 20% darker color. If you saturate the color by 10%, you get **17.1448, 0.2840, 0.2162**, and if you desaturate by 10%, it is **25.9849, 0.2997, 0.2715**.

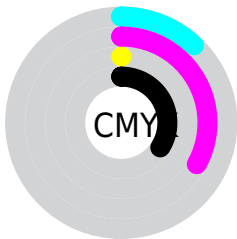
Distribution



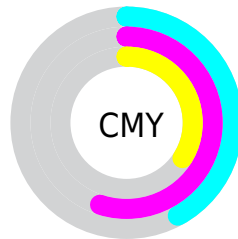
- Red (58%)
- Green (45%)
- Blue (66%)



- Red (58%)
- Yellow (45%)
- Blue (66%)



- Cyan (12%)
- Magenta (33%)
- Yellow (0%)
- Black (34%)





- Cyan (42%)
- Magenta (55%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1951, 0.2923, 0.2440 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 21.1951, 0.2923, 0.2440 by changing the saturation by 10% instead.


 21.1951, 0.2923,
0.2440


 21.1951, 0.2923,
0.2440


258.3135, 0.3046,
0.2892


 13.2667, 0.2884,
0.2319


 45.4120, 0.2973,
0.2610

 7.6124, 0.2828,
0.2159


 62.4693, 0.2991,
0.2672

 3.8480, 0.2743,
0.1940

 83.3383, 0.3004,
0.2724

 1.5889, 0.2601,
0.1623

 108.4035, 0.3016,
0.2768

 0.3501, 0.2393,
0.0912

138.0492, 0.3025,
0.2806

 0.0000, 0.0000,
0.0000

172.6599, 0.3033,

0.2838

212.6198, 0.3040,
0.2867

■ 21.1951, 0.2923,
0.2440

■ 21.1951, 0.2923,
0.2440

■ 17.1448, 0.2840,
0.2162

■ 25.9849, 0.2997,
0.2715

■ 13.7920, 0.2748,
0.1890

■ 31.5479, 0.3060,
0.2980

■ 11.0943, 0.2650,
0.1637


■ 37.9190, 0.3115,
0.3230


■ 9.0037, 0.2548,
0.1415


■ 45.1300, 0.3160,
0.3461


■ 7.4654, 0.2446,
0.1235

■ 53.2110, 0.3198,
0.3672


 6.4138, 0.2348,
0.1104

 62.1907, 0.3229,
0.3864

 5.8376, 0.2279,
0.1029

 72.0965, 0.3254,
0.4037

 82.9543, 0.3275,
0.4192

 87.5099, 0.3308,
0.4234

Harmonies

Analogous

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



21.1951, 0.2405, 0.2325



21.1951, 0.2923, 0.2440



21.1951, 0.3555, 0.2733

Triad

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



21.1951, 0.2923, 0.2440



21.1951, 0.4239, 0.4075



21.1951, 0.2222, 0.3324

Complementary

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



21.1951, 0.2923, 0.2440



34.7331, 0.3273, 0.4178

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.



21.1951, 0.2649, 0.3957



21.1951, 0.2923, 0.2440



21.1951, 0.3816, 0.4381

Square

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



21.1951, 0.2923, 0.2440



21.1951, 0.4359, 0.3624



21.1951, 0.3232, 0.4369



21.1951, 0.2034, 0.2762

Rectangle

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



21.1951, 0.2923, 0.2440



21.1951, 0.3945, 0.3002



21.1951, 0.3232, 0.4369



21.1951, 0.2340, 0.3540

Sweetspot

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



21.1960, 0.2923, 0.2440



59.0701, 0.3074, 0.3041



23.7915, 0.2603, 0.2720



12.5549, 0.3066, 0.3006



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



21.1960, 0.2923, 0.2440



32.6410, 0.2864, 0.2240



23.0974, 0.3237, 0.2583



7.5215, 0.3079, 0.3063



4.3832, 0.2288, 0.1034



0.1346, 0.2600, 0.1206

Inverse Universe

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



22.2172, 0.3578, 0.2972



34.8622, 0.3720, 0.2900



33.3129, 0.3034, 0.4118



7.5879, 0.3228, 0.3204



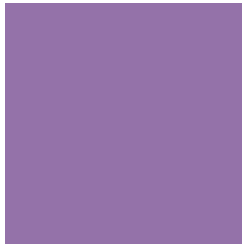
6.5763, 0.5410, 0.2754



0.1700, 0.4538, 0.2274

Previews

White Background



This preview shows how the Yxy color 21.1951, 0.2923, 0.2440 looks on a white background.

Color Contrast Check

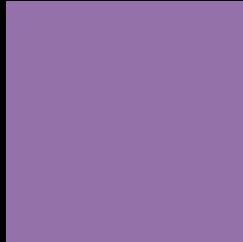
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1951, 0.2923, 0.2440 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 21.1951, 0.2923, 0.2440

Background



This preview shows how black text looks on a background with the Yxy color 21.1951, 0.2923, 0.2440.



This preview shows how white text looks on a background with the Yxy color 21.1951, 0.2923, 0.2440.

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

21.1951, 0.2923, 0.2440

Protanopia

21.2611, 0.2484, 0.2409

Deuteranopia

21.3088, 0.2636, 0.2579



Tritanopia

21.3085, 0.3270, 0.3137

Trichromacy



Original Color

21.1951, 0.2923, 0.2440

Protanomaly

21.0550, 0.2620, 0.2410

Deuteranomaly

21.1690, 0.2732, 0.2519

Tritanomaly

21.1673, 0.3135, 0.2859

Monochromacy



Original Color

21.1951, 0.2923, 0.2440

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.7473, 0.3061, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1951, 0.2923, 0.2440 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(148, 114, 169)` looks like.

```
.text, #text, p{  
    color:rgb(148, 114, 169)  
}
```

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(148, 114, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 114, 169) }
```

Border

The CSS property to change the border of an element to Yxy 21.1951, 0.2923, 0.2440 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(148, 114, 169) }
```

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

```
.border{ border-color:rgb(148, 114, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 114, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 114, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 114, 169);  
box-shadow:4px 4px 4px 4px rgb(148, 114,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1951, 0.2923, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 114, 169) }
```

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

```
.background{ background-color: rgb(148,  
114, 169) }
```

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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