

Converting Colors

$Y_{xy}(13.0472, 0.3248, 0.2174)$

Have a look what the booklet for
Yxy(13.0472, 0.3248, 0.2174)
contains.

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Color

Yxy(13.0442, 0.3255, 0.2171)

Conversions

Conversions Part 1

Format	Color
Hex	94498F
RGB	148, 73, 143
RGB Percent	58%, 29%, 56%
CMY	0.4195, 0.7138, 0.4391
CMYK	0.00, 0.51, 0.03, 0.42
HSL	304°, 34%, 43%
HSV	304°, 51%, 58%
XYZ	19.5573, 13.0442, 27.4823
YIQ	103.4050, 22.2300, 37.6700

Conversions

Conversions Part 2

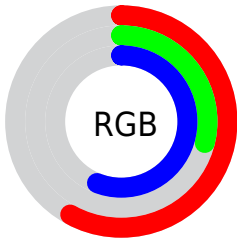
Format	Color
R_{YB}	148, 73, 143
Decimal	9718159
CIE _{Lab}	42.83, 41.61, -24.96
CIE _{LCh}	43, 48.522, 329.037
Yxy	13.0442, 0.3255, 0.2171
Android (android.graphics.Color)	4287908239 (0xFF94498F)
YUV	103.4050, 19.5203, 39.1098
Hunter-Lab	36.1168, 33.4537, -19.8338

Details

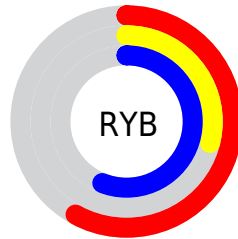
The Yxy color **13.0442, 0.3255, 0.2171** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.1521, 0.3017, 0.4748**, and the grayscale version is **13.6190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5358, 0.3242, 0.2416**, and **3.7419, 0.3272, 0.1770** is the 20% darker color. If you saturate the color by 10%, you get **11.2965, 0.3283, 0.1991**, and if you desaturate by 10%, it is **15.2562, 0.3227, 0.2376**.

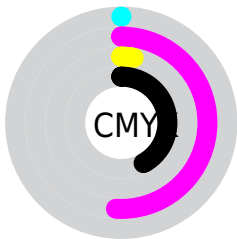
Distribution



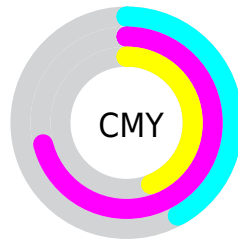
- Red (58%)
- Green (29%)
- Blue (56%)



- Red (58%)
- Yellow (29%)
- Blue (56%)



- Cyan (0%)
- Magenta (51%)
- Yellow (3%)
- Black (42%)




- Cyan (42%)
- Magenta (71%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0442, 0.3255, 0.2171 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 13.0442, 0.3255, 0.2171 by changing the saturation by 10% instead.


 13.0442, 0.3255,
0.2171


 13.0442, 0.3255,
0.2171


211.2007, 0.3200,
0.2788


 7.4590, 0.3262,
0.1998


 31.3832, 0.3239,
0.2410


 3.7508, 0.3264,
0.1764


 44.9057, 0.3232,
0.2495

 1.5351, 0.3252,
0.1438

 61.8428, 0.3225,
0.2565

 0.3133, 0.3274,
0.0729

 82.5789, 0.3219,
0.2624

 0.0000, 0.2287,
0.0000

 107.4983, 0.3213,
0.2675

 0.0000, 0.0000,
0.0000

136.9855, 0.3209,

0.2718

171.4249, 0.3204,
0.2756

■ 13.0442, 0.3255,
0.2171

■ 13.0442, 0.3255,
0.2171

■ 11.2965, 0.3283,
0.1991

■ 15.2562, 0.3227,
0.2376

■ 9.9780, 0.3311,
0.1845

■ 17.9609, 0.3200,
0.2596

■ 9.0514, 0.3337,
0.1737

■ 21.1865, 0.3174,
0.2824

■ 8.4723, 0.3360,
0.1671

■ 24.9584, 0.3150,
0.3052

■ 8.1375, 0.3380,
0.1636

■ 29.3004, 0.3129,
0.3275

■ 34.2352, 0.3109,
0.3488

■ 39.7837, 0.3092,
0.3688

■ 45.9663, 0.3077,
0.3874

■ 52.8022, 0.3064,
0.4045

Harmonies

Analogous

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



13.0442, 0.2320, 0.1870



13.0442, 0.3255, 0.2171



13.0442, 0.4317, 0.2686

Triad

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



13.0442, 0.3255, 0.2171



13.0442, 0.4539, 0.4730



13.0442, 0.1530, 0.2789

Complementary

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



13.0442, 0.3255, 0.2171



23.1521, 0.3017, 0.4748

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.



13.0442, 0.1959, 0.3898



13.0442, 0.3255, 0.2171



13.0442, 0.3688, 0.5198

Square

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



13.0442, 0.3255, 0.2171



13.0442, 0.5073, 0.4027



13.0442, 0.2746, 0.4946



13.0442, 0.1466, 0.2105

Rectangle

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



13.0442, 0.3255, 0.2171



13.0442, 0.4861, 0.3106



13.0442, 0.2746, 0.4946



13.0442, 0.1630, 0.3121

Sweetspot

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



13.0448, 0.3255, 0.2171



40.8370, 0.3161, 0.2948



8.4687, 0.2228, 0.1752



9.0339, 0.3165, 0.2904



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



13.0448, 0.3255, 0.2171



19.5240, 0.3287, 0.1967



12.1172, 0.3863, 0.2715



5.9026, 0.3147, 0.3086



6.9501, 0.3379, 0.1635



0.0867, 0.3287, 0.1584

Inverse Universe

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



13.0448, 0.3255, 0.2171



19.5240, 0.3287, 0.1967



23.8230, 0.2734, 0.3974



5.9026, 0.3147, 0.3086



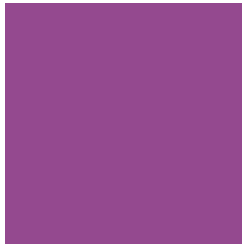
6.9501, 0.3379, 0.1635



0.0867, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 13.0442, 0.3255, 0.2171 looks on a white background.

Color Contrast Check

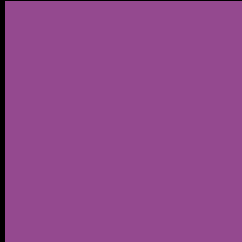
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.0442, 0.3255, 0.2171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

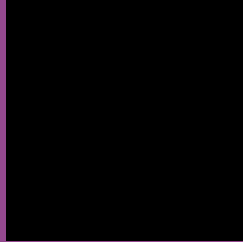
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0442, 0.3255, 0.2171

Background



This preview shows how black text looks on a background with the Yxy color 13.0442, 0.3255, 0.2171.



This preview shows how white text looks on a background with the Yxy color 13.0442, 0.3255, 0.2171.

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

13.0442, 0.3255, 0.2171

Protanopia

13.3675, 0.2200, 0.2053

Deuteranopia

13.1735, 0.2563, 0.2509



Tritanopia

13.0205, 0.3971, 0.3165

Trichromacy



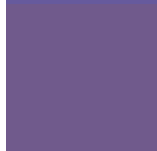
Original Color

13.0442, 0.3255, 0.2171



Protanomaly

12.5714, 0.2482, 0.2050



Deuteranomaly

12.6505, 0.2782, 0.2335



Tritanomaly

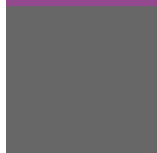
12.9618, 0.3691, 0.2764

Monochromacy



Original Color

13.0442, 0.3255, 0.2171



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.8842, 0.3166, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0442, 0.3255, 0.2171 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, 73, 143)` looks like.

```
.text, #text, p{  
  color:rgb(148, 73, 143)  
}
```

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, 73, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 73, 143) }
```

Border

The CSS property to change the border of an element to Yxy 13.0442, 0.3255, 0.2171 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, 73, 143) }
```

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

```
.border{ border-color:rgb(148, 73, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 73, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 73, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 73, 143);  
box-shadow:4px 4px 4px 4px rgb(148, 73,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0442, 0.3255, 0.2171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 73, 143) }
```

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

```
.background{ background-color: rgb(148, 73,  
143) }
```

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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