

Converting Colors

$Y_{xy}(20.3998, 0.2943, 0.2354)$

Have a look what the booklet for
Yxy(20.3998, 0.2943, 0.2354)
contains.

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Color

Yxy(20.4189, 0.2945, 0.2360)

Conversions

Conversions Part 1

Format	Color
Hex	976DAA
RGB	151, 109, 170
RGB Percent	59%, 43%, 67%
CMY	0.4080, 0.5725, 0.3334
CMYK	0.11, 0.36, 0.00, 0.33
HSL	281°, 26%, 55%
HSV	281°, 36%, 67%
XYZ	25.4804, 20.4189, 40.6215
YIQ	128.5120, 5.4510, 27.8750

Conversions

Conversions Part 2

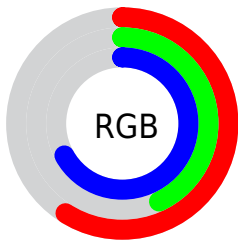
Format	Color
R _Y B	151, 109, 170
Decimal	9924010
CIE Lab	52.31, 27.97, -26.21
CIE LCh	52, 38.328, 316.864
Yxy	20.4189, 0.2945, 0.2360
Android (android.graphics.Color)	4288114090 (0xFF976DAA)
YUV	128.5120, 20.4536, 19.7220
Hunter-Lab	45.1873, 21.5755, -21.6682

Details

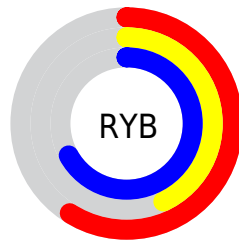
The Yxy color $20.4189, 0.2945, 0.2360$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.4420, 0.3246, 0.4293$, and the grayscale version is $21.6997, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.0478, 0.2996, 0.2548$, and $7.1924, 0.2848, 0.2042$ is the 20% darker color. If you saturate the color by 10%, you get $16.6400, 0.2876, 0.2092$, and if you desaturate by 10%, it is $24.9237, 0.3006, 0.2631$.

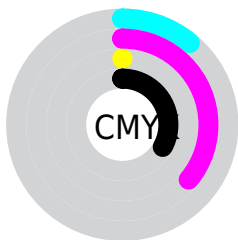
Distribution



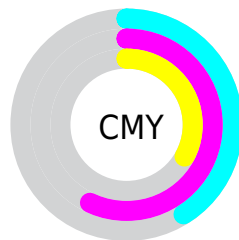
- Red (59%)
- Green (43%)
- Blue (67%)



- Red (59%)
- Yellow (43%)
- Blue (67%)



- Cyan (11%)
- Magenta (36%)
- Yellow (0%)
- Black (33%)





- Cyan (41%)
- Magenta (57%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4189, 0.2945, 0.2360 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 20.4189, 0.2945, 0.2360 by changing the saturation by 10% instead.


 20.4189, 0.2945,
0.2360

 20.4189, 0.2945,
0.2360


254.1739, 0.3058,
0.2852


 12.6999, 0.2908,
0.2229


 44.1184, 0.2992,
0.2545

 7.2222, 0.2854,
0.2057


 60.8677, 0.3008,
0.2613

 3.6015, 0.2770,
0.1822

 81.3959, 0.3021,
0.2669

 1.4532, 0.2628,
0.1488

 106.0873, 0.3031,
0.2717

 0.2555, 0.2438,
0.0671

135.3265, 0.3040,
0.2758

 0.0000, 0.0000,
0.0000

169.4977, 0.3047,

0.2794

208.9854, 0.3053,
0.2825

■ 20.4189, 0.2945,
0.2360

■ 20.4189, 0.2945,
0.2360

■ 16.6400, 0.2876,
0.2092

■ 24.9237, 0.3006,
0.2631

■ 13.5436, 0.2800,
0.1837

■ 30.1895, 0.3059,
0.2896

■ 11.0856, 0.2719,
0.1606


■ 36.2522, 0.3104,
0.3149

■ 9.2152, 0.2635,
0.1411


■ 43.1444, 0.3142,
0.3386


■ 7.8741, 0.2552,
0.1259

■ 50.8971, 0.3173,
0.3605


 6.9858, 0.2471,
0.1154

 59.5396, 0.3198,
0.3806

 6.6795, 0.2438,
0.1117

 69.0998, 0.3218,
0.3988

 79.6044, 0.3234,
0.4152

 86.5235, 0.3256,
0.4237

Harmonies

Analogous

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



20.4189, 0.2351, 0.2213



20.4189, 0.2945, 0.2360



20.4189, 0.3667, 0.2697

Triad

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



20.4189, 0.2945, 0.2360



20.4189, 0.4351, 0.4194



20.4189, 0.2081, 0.3263

Complementary

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



20.4189, 0.2945, 0.2360



34.4420, 0.3246, 0.4293

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.



20.4189, 0.2534, 0.4004



20.4189, 0.2945, 0.2360



20.4189, 0.3845, 0.4541

Square

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



20.4189, 0.2945, 0.2360



20.4189, 0.4529, 0.3690



20.4189, 0.3179, 0.4512



20.4189, 0.1900, 0.2644

Rectangle

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



20.4189, 0.2945, 0.2360



20.4189, 0.4104, 0.2998



20.4189, 0.3179, 0.4512



20.4189, 0.2203, 0.3511

Sweetspot

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



20.4198, 0.2945, 0.2360



59.7329, 0.3081, 0.3016



21.6787, 0.2536, 0.2578



13.0037, 0.3075, 0.2982



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.4198, 0.2945, 0.2360



31.5211, 0.2891, 0.2147



21.9835, 0.3299, 0.2564



7.5475, 0.3090, 0.3064



4.9449, 0.2447, 0.1121



0.1456, 0.2710, 0.1267

Inverse Universe

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



21.0466, 0.3700, 0.3001



32.9520, 0.3888, 0.2937



33.3580, 0.2994, 0.4147



7.5794, 0.3239, 0.3220



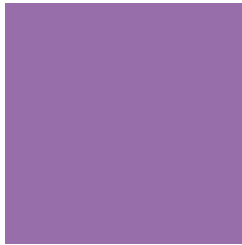
6.4851, 0.5676, 0.2900



0.1669, 0.4764, 0.2398

Previews

White Background



This preview shows how the Yxy color 20.4189, 0.2945, 0.2360 looks on a white background.

Color Contrast Check

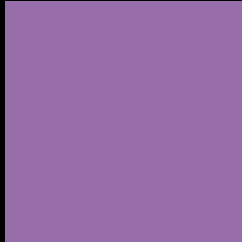
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4189, 0.2945, 0.2360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

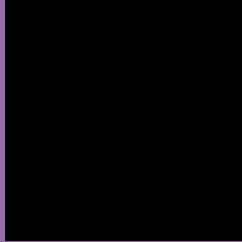
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4189, 0.2945, 0.2360

Background



This preview shows how black text looks on a background with the Yxy color 20.4189, 0.2945, 0.2360.



This preview shows how white text looks on a background with the Yxy color 20.4189, 0.2945, 0.2360.

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

20.4189, 0.2945, 0.2360

Protanopia

20.5663, 0.2415, 0.2324

Deuteranopia

20.5333, 0.2594, 0.2537



Tritanopia

20.4185, 0.3350, 0.3136

Trichromacy



Original Color

20.4189, 0.2945, 0.2360

Protanomaly

20.2688, 0.2578, 0.2329

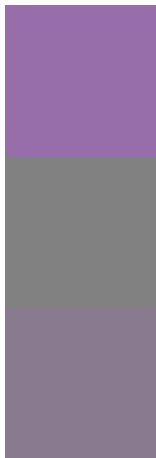
Deuteranomaly

20.2960, 0.2707, 0.2464

Tritanomaly

20.4477, 0.3199, 0.2829

Monochromacy



Original Color

20.4189, 0.2945, 0.2360

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.2510, 0.3062, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4189, 0.2945, 0.2360 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, 109, 170)` looks like.

```
.text, #text, p{  
    color:rgb(151, 109, 170)  
}
```

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, 109, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 109, 170) }
```

Border

The CSS property to change the border of an element to Yxy 20.4189, 0.2945, 0.2360 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, 109, 170) }
```

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

```
.border{ border-color:rgb(151, 109, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 109, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 109, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 109, 170); box-shadow:4px 4px 4px 4px rgb(151, 109, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4189, 0.2945, 0.2360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 109, 170) }
```

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

```
.background{ background-color: rgb(151,  
109, 170) }
```

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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