

Converting Colors

$Y_{xy}(20.8775, 0.3625, 0.2862)$

Have a look what the booklet for
Yxy(20.8775, 0.3625, 0.2862)
contains.

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Color

Yxy(20.9226, 0.3624, 0.2869)

Conversions

Conversions Part 1

Format	Color
Hex	AB6B87
RGB	171, 107, 135
RGB Percent	67%, 42%, 53%
CMY	0.3294, 0.5804, 0.4705
CMYK	0.00, 0.37, 0.21, 0.33
HSL	334°, 28%, 55%
HSV	334°, 37%, 67%
XYZ	26.4285, 20.9226, 25.5753
YIQ	129.3280, 29.1560, 22.2760

Conversions

Conversions Part 2

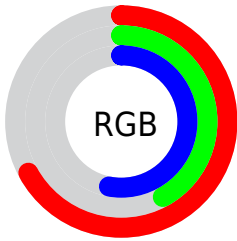
Format	Color
RYB	171, 107, 135
Decimal	11234183
CIELab	52.86, 29.52, -4.67
CIElCh	53, 29.885, 351.013
Yxy	20.9226, 0.3624, 0.2869
Android (android.graphics.Color)	4289424263 (0xFFAB6B87)
YUV	129.3280, 2.7963, 36.5463
Hunter-Lab	45.7412, 23.0873, -1.1320

Details

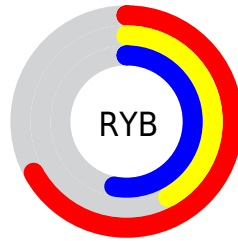
The Yxy color $20.9226, 0.3624, 0.2869$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.2385, 0.2810, 0.3760$, and the grayscale version is $22.0571, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.7580, 0.3513, 0.2958$, and $7.4639, 0.3823, 0.2721$ is the 20% darker color. If you saturate the color by 10%, you get $17.4449, 0.3822, 0.2758$, and if you desaturate by 10%, it is $25.1319, 0.3456, 0.2985$.

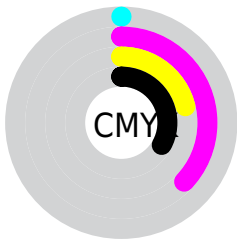
Distribution



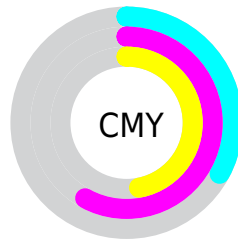
- Red (67%)
- Green (42%)
- Blue (53%)



- Red (67%)
- Yellow (42%)
- Blue (53%)



- Cyan (0%)
- Magenta (37%)
- Yellow (21%)
- Black (33%)




- Cyan (33%)
- Magenta (58%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9226, 0.3624, 0.2869 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 20.9226, 0.3624, 0.2869 by changing the saturation by 10% instead.


 20.9226, 0.3624,
0.2869


 20.9226, 0.3624,
0.2869


256.8669, 0.3346,
0.3102


 13.0674, 0.3706,
0.2802


 44.9587, 0.3515,
0.2959


 7.4750, 0.3819,
0.2711


 61.9084, 0.3476,
0.2992

 3.7609, 0.3987,
0.2578

 82.6584, 0.3445,
0.3018

 1.5407, 0.4261,
0.2367

 107.5931, 0.3418,
0.3040

 0.3171, 0.5115,
0.1567

137.0969, 0.3396,
0.3059

 0.0000, 0.0000,
0.0000

171.5542, 0.3377,

0.3075

211.3494, 0.3360,
0.3089

■ 20.9226, 0.3624,
0.2869

■ 20.9226, 0.3624,
0.2869

■ 17.4449, 0.3822,
0.2758

■ 25.1319, 0.3456,
0.2985

■ 14.6534, 0.4050,
0.2661

■ 30.1088, 0.3316,
0.3101

■ 12.5022, 0.4307,
0.2588


■ 35.8905, 0.3200,
0.3212

■ 10.9386, 0.4583,
0.2552


■ 42.5109, 0.3104,
0.3316

■ 9.9011, 0.4866,
0.2564

■ 50.0018, 0.3025,
0.3414


 9.2951, 0.5139,
0.2625

 58.3936, 0.2960,
0.3503

 9.1655, 0.5209,
0.2643

 67.7149, 0.2906,
0.3586

 77.9934, 0.2862,
0.3661

 85.4290, 0.2820,
0.3668

Harmonies

Analogous

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



20.9226, 0.3068, 0.2575



20.9226, 0.3624, 0.2869



20.9226, 0.4061, 0.3263

Triad

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



20.9226, 0.3624, 0.2869



20.9226, 0.3640, 0.4276



20.9226, 0.2144, 0.2746

Complementary

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



20.9226, 0.3624, 0.2869



34.2385, 0.2810, 0.3760

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.



20.9226, 0.2267, 0.3207



20.9226, 0.3624, 0.2869



20.9226, 0.3110, 0.4178

Square

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



20.9226, 0.3624, 0.2869



20.9226, 0.4052, 0.4068



20.9226, 0.2610, 0.3760



20.9226, 0.2251, 0.2484

Rectangle

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



20.9226, 0.3624, 0.2869



20.9226, 0.4202, 0.3549



20.9226, 0.2610, 0.3760



20.9226, 0.2160, 0.2880

Sweetspot

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



20.9236, 0.3624, 0.2869



60.2020, 0.3241, 0.3170



19.2240, 0.2833, 0.2288



13.1207, 0.3256, 0.3156



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.



20.9236, 0.3624, 0.2869



32.1724, 0.3787, 0.2776



20.9149, 0.4002, 0.3342



8.0714, 0.3220, 0.3191



6.9186, 0.5185, 0.2630



0.2036, 0.4440, 0.2220

Inverse Universe

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



20.9236, 0.3624, 0.2869



32.1724, 0.3787, 0.2776



34.0018, 0.2607, 0.3237



8.0714, 0.3220, 0.3191



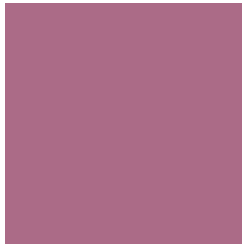
6.9186, 0.5185, 0.2630



0.2036, 0.4440, 0.2220

Previews

White Background



This preview shows how the Yxy color 20.9226, 0.3624, 0.2869 looks on a white background.

Color Contrast Check

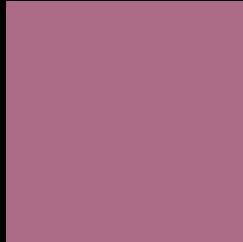
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9226, 0.3624, 0.2869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

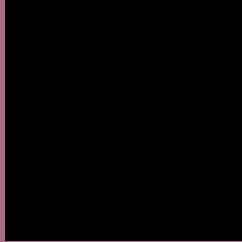
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9226, 0.3624, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 20.9226, 0.3624, 0.2869.



This preview shows how white text looks on a background with the Yxy color 20.9226, 0.3624, 0.2869.

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

20.9226, 0.3624, 0.2869

Protanopia

21.2392, 0.2873, 0.2920

Deuteranopia

21.0661, 0.3183, 0.3133



Tritanopia

20.8949, 0.3822, 0.3168

Trichromacy



Original Color

20.9226, 0.3624, 0.2869

Protanomaly

20.7523, 0.3110, 0.2885

Deuteranomaly

20.8056, 0.3342, 0.3025

Tritanomaly

20.9386, 0.3756, 0.3062

Monochromacy



Original Color

20.9226, 0.3624, 0.2869

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.2427, 0.3296, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9226, 0.3624, 0.2869 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(171, 107, 135)` looks like.

```
.text, #text, p{  
    color:rgb(171, 107, 135)  
}
```

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(171, 107, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 107, 135) }
```

Border

The CSS property to change the border of an element to Yxy 20.9226, 0.3624, 0.2869 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(171, 107, 135) }
```

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

```
.border{ border-color:rgb(171, 107, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 107, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 107, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 107, 135);  
box-shadow:4px 4px 4px 4px rgb(171, 107,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9226, 0.3624, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 107, 135) }
```

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

```
.background{ background-color: rgb(171,  
107, 135) }
```

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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