

Converting Colors

$Y_{xy}(23.8021, 0.3425, 0.2914)$

Have a look what the booklet for
Yxy(23.8021, 0.3425, 0.2914)
contains.

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Color

Yxy(23.8021, 0.3425, 0.2914)

Conversions

Conversions Part 1

Format	Color
Hex	A87891
RGB	168, 120, 145
RGB Percent	66%, 47%, 57%
CMY	0.3412, 0.5294, 0.4314
CMYK	0.00, 0.29, 0.14, 0.34
HSL	329°, 22%, 56%
HSV	329°, 29%, 66%
XYZ	27.9760, 23.8021, 29.9037
YIQ	137.2020, 20.5830, 17.9510

Conversions

Conversions Part 2

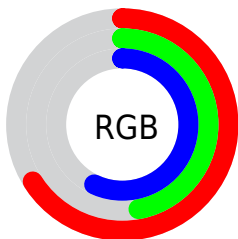
Format	Color
R_{YB}	168, 120, 145
Decimal	11040913
CIE Lab	55.89, 22.73, -6.06
CIE LCh	56, 23.524, 345.082
Yxy	23.8021, 0.3425, 0.2914
Android (android.graphics.Color)	4289230993 (0xFFA87891)
YUV	137.2020, 3.8444, 27.0098
Hunter-Lab	48.7874, 16.9789, -2.1900

Details

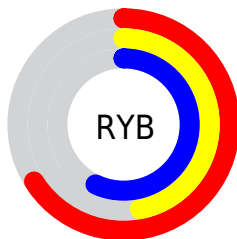
The Yxy color $23.8021, 0.3425, 0.2914$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $33.9846, 0.2908, 0.3700$, and the grayscale version is $25.0765, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8580, 0.3362, 0.2993$, and $8.9775, 0.3523, 0.2777$ is the 20% darker color. If you saturate the color by 10%, you get $19.8706, 0.3569, 0.2778$, and if you desaturate by 10%, it is $28.4624, 0.3303, 0.3050$.

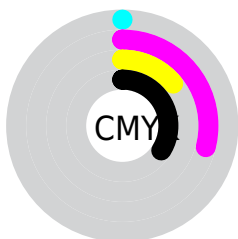
Distribution



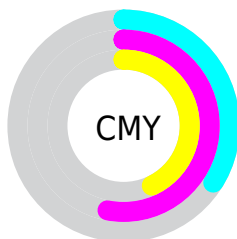
- Red (66%)
- Green (47%)
- Blue (57%)



- Red (66%)
- Yellow (47%)
- Blue (57%)



- Cyan (0%)
- Magenta (29%)
- Yellow (14%)
- Black (34%)





- Cyan (34%)
- Magenta (53%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8021, 0.3425, 0.2914 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 23.8021, 0.3425, 0.2914 by changing the saturation by 10% instead.


 23.8021, 0.3425,
0.2914


 23.8021, 0.3425,
0.2914


271.8184, 0.3262,
0.3118

 15.1869, 0.3471,
0.2857


 49.7071, 0.3362,
0.2992

 8.9507, 0.3534,
0.2781


 67.7656, 0.3340,
0.3020

 4.7090, 0.3624,
0.2672

 89.7407, 0.3321,
0.3043

 2.0776, 0.3766,
0.2504

116.0168, 0.3306,
0.3063

 0.6520, 0.4047,
0.2162

146.9782, 0.3292,
0.3080

 0.0000, 1.0000,
0.0000

183.0093, 0.3281,

 0.0000, 0.0000,

0.3094

0.0000

224.4946, 0.3271,
0.3106

■ 23.8021, 0.3425,
0.2914

■ 23.8021, 0.3425,
0.2914

■ 19.8706, 0.3569,
0.2778

■ 28.4624, 0.3303,
0.3050

■ 16.6272, 0.3737,
0.2648

■ 33.8830, 0.3201,
0.3182

■ 14.0323, 0.3928,
0.2534

■ 40.0974, 0.3116,
0.3307

■ 12.0406, 0.4140,
0.2446

■ 47.1361, 0.3045,
0.3424

■ 10.6013, 0.4367,
0.2397

■ 55.0282, 0.2987,
0.3533

■ 9.6548, 0.4598,
0.2396

■ 63.8010, 0.2939,
0.3632

■ 9.0922, 0.4825,
0.2442

■ 73.4810, 0.2898,
0.3724

■ 9.0211, 0.4858,
0.2450

■ 84.0932, 0.2865,
0.3807

■ 84.8807, 0.2825,
0.3717

Harmonies

Analogous

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



23.8021, 0.3006, 0.2703



23.8021, 0.3425, 0.2914



23.8021, 0.3778, 0.3215

Triad

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



23.8021, 0.3425, 0.2914



23.8021, 0.3598, 0.4019



23.8021, 0.2373, 0.2945

Complementary

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



23.8021, 0.3425, 0.2914



33.9846, 0.2908, 0.3700

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.



23.8021, 0.2509, 0.3317



23.8021, 0.3425, 0.2914



23.8021, 0.3205, 0.3980

Square

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



23.8021, 0.3425, 0.2914



23.8021, 0.3874, 0.3846



23.8021, 0.2808, 0.3713



23.8021, 0.2421, 0.2702

Rectangle

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



23.8021, 0.3425, 0.2914



23.8021, 0.3915, 0.3438



23.8021, 0.2808, 0.3713



23.8021, 0.2398, 0.3059

Sweetspot

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



23.8032, 0.3425, 0.2914



60.8581, 0.3207, 0.3175



22.0476, 0.2873, 0.2533



12.9479, 0.3220, 0.3156



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.



23.8032, 0.3425, 0.2914



38.7193, 0.3509, 0.2831



23.1545, 0.3719, 0.3267



7.6051, 0.3208, 0.3173



6.8222, 0.4837, 0.2438



0.1762, 0.4167, 0.2069

Inverse Universe

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



23.8032, 0.3425, 0.2914



38.7193, 0.3509, 0.2831



34.7690, 0.2733, 0.3314



7.6051, 0.3208, 0.3173



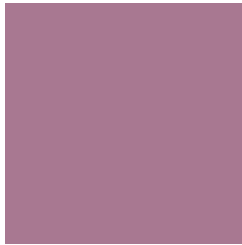
6.8222, 0.4837, 0.2438



0.1762, 0.4167, 0.2069

Previews

White Background



This preview shows how the Yxy color 23.8021, 0.3425, 0.2914 looks on a white background.

Color Contrast Check

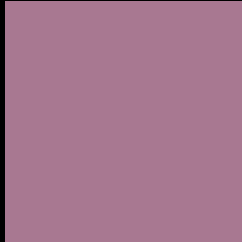
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8021, 0.3425, 0.2914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

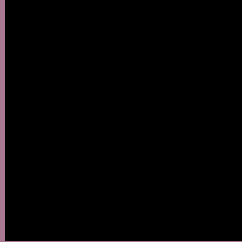
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8021, 0.3425, 0.2914

Background



This preview shows how black text looks on a background with the Yxy color 23.8021, 0.3425, 0.2914.



This preview shows how white text looks on a background with the Yxy color 23.8021, 0.3425, 0.2914.

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

23.8021, 0.3425, 0.2914

Protanopia

23.9003, 0.2904, 0.2954

Deuteranopia

23.7881, 0.3137, 0.3075



Tritanopia

23.6920, 0.3555, 0.3137

Trichromacy



Original Color

23.8021, 0.3425, 0.2914

Protanomaly

23.5696, 0.3076, 0.2932

Deuteranomaly

23.6107, 0.3235, 0.3002

Tritanomaly

23.6964, 0.3508, 0.3046

Monochromacy



Original Color

23.8021, 0.3425, 0.2914

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.4219, 0.3226, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8021, 0.3425, 0.2914 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(168, 120, 145)` looks like.

```
.text, #text, p{  
    color:rgb(168, 120, 145)  
}
```

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(168, 120, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 120, 145) }
```

Border

The CSS property to change the border of an element to Yxy 23.8021, 0.3425, 0.2914 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(168, 120, 145) }
```

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

```
.border{ border-color:rgb(168, 120, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 120, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 120, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 120, 145);  
box-shadow:4px 4px 4px 4px rgb(168, 120,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8021, 0.3425, 0.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 120, 145) }
```

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

```
.background{ background-color: rgb(168,  
120, 145) }
```

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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