

Converting Colors

$Y_{xy}(20.0202, 0.3177, 0.2977)$

Have a look what the booklet for
Yxy(20.0202, 0.3177, 0.2977)
contains.

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Color

Yxy(19.9034, 0.3168, 0.2962)

Conversions

Conversions Part 1

Format	Color
Hex	8A7588
RGB	138, 117, 136
RGB Percent	54%, 46%, 53%
CMY	0.4587, 0.5412, 0.4667
CMYK	0.00, 0.15, 0.01, 0.46
HSL	306°, 8%, 50%
HSV	306°, 15%, 54%
XYZ	21.2876, 19.9034, 26.0048
YIQ	125.4450, 6.4170, 10.3610

Conversions

Conversions Part 2

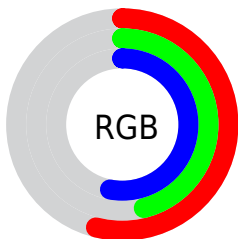
Format	Color
R_{YB}	138, 117, 136
Decimal	9074056
CIE _{Lab}	51.73, 11.71, -7.32
CIE _{LCh}	52, 13.811, 328.017
Yxy	19.9034, 0.3168, 0.2962
Android (android.graphics.Color)	4287264136 (0xFF8A7588)
YUV	125.4450, 5.2036, 11.0107
Hunter-Lab	44.6132, 7.0999, -3.3305

Details

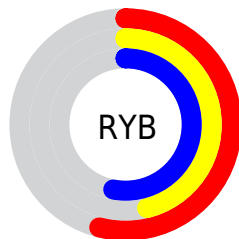
The Yxy color **19.9034, 0.3168, 0.2962** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.2973, 0.3089, 0.3642**, and the grayscale version is **20.6473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2565, 0.3166, 0.3036**, and **7.0028, 0.3187, 0.2849** is the 20% darker color. If you saturate the color by 10%, you get **16.8838, 0.3199, 0.2741**, and if you desaturate by 10%, it is **23.3994, 0.3140, 0.3179**.

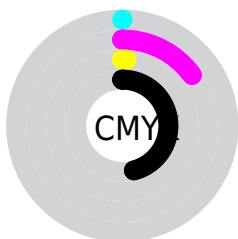
Distribution



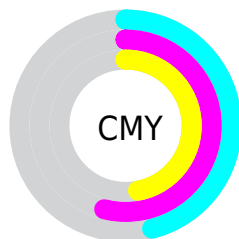
- Red (54%)
- Green (46%)
- Blue (53%)



- Red (54%)
- Yellow (46%)
- Blue (53%)



- Cyan (0%)
- Magenta (15%)
- Yellow (1%)
- Black (46%)




- Cyan (46%)
- Magenta (54%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9034, 0.3168, 0.2962 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 19.9034, 0.3168, 0.2962 by changing the saturation by 10% instead.


 19.9034, 0.3168,
0.2962


 19.9034, 0.3168,
0.2962


251.3917, 0.3147,
0.3145


 12.3248, 0.3174,
0.2909


 43.2552, 0.3160,
0.3034

 6.9653, 0.3181,
0.2834


 59.7972, 0.3157,
0.3059

 3.4404, 0.3191,
0.2725

 80.0958, 0.3155,
0.3080

 1.3658, 0.3204,
0.2546

104.5354, 0.3152,
0.3097

 0.1913, 0.3393,
0.1387

133.5004, 0.3151,
0.3112

 0.0000, 0.0000,
0.0000

167.3752, 0.3149,

0.3125

206.5441, 0.3148,
0.3136

■ 19.9034, 0.3168,
0.2962

■ 19.9034, 0.3168,
0.2962

■ 16.8838, 0.3199,
0.2741

■ 23.3994, 0.3140,
0.3179

■ 14.3174, 0.3232,
0.2523

■ 27.3887, 0.3116,
0.3389

■ 12.1829, 0.3268,
0.2314

■ 31.8904, 0.3094,
0.3586

■ 10.4560, 0.3305,
0.2124

■ 36.9219, 0.3075,
0.3771

■ 9.1105, 0.3342,
0.1962

■ 42.4998, 0.3059,
0.3942

■ 8.1168, 0.3379,
0.1834

■ 48.6399, 0.3045,
0.4100

■ 7.4411, 0.3415,
0.1747

■ 55.3575, 0.3033,
0.4243

■ 7.0354, 0.3447,
0.1699

■ 62.6672, 0.3023,
0.4374

■ 6.8762, 0.3463,
0.1681

■ 70.5830, 0.3014,
0.4493

Harmonies

Analogous

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



19.9034, 0.2916, 0.2872



19.9034, 0.3168, 0.2962



19.9034, 0.3418, 0.3131

Triad

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



19.9034, 0.3168, 0.2962



19.9034, 0.3535, 0.3701



19.9034, 0.2683, 0.3208

Complementary

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



19.9034, 0.3168, 0.2962



23.2973, 0.3089, 0.3642

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.



19.9034, 0.2837, 0.3451



19.9034, 0.3168, 0.2962



19.9034, 0.3327, 0.3744

Square

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



19.9034, 0.3168, 0.2962



19.9034, 0.3635, 0.3550



19.9034, 0.3071, 0.3653



19.9034, 0.2644, 0.3002

Rectangle

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



19.9034, 0.3168, 0.2962



19.9034, 0.3547, 0.3270



19.9034, 0.3071, 0.3653



19.9034, 0.2723, 0.3289

Sweetspot

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



19.9043, 0.3168, 0.2962



41.3143, 0.3140, 0.3182



18.4621, 0.2911, 0.2902



9.1773, 0.3142, 0.3169



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.9043, 0.3168, 0.2962



33.3065, 0.3177, 0.2892



19.6274, 0.3291, 0.3136



5.1208, 0.3151, 0.3095



6.3037, 0.3462, 0.1681



0.0430, 0.3324, 0.1605

Inverse Universe

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



19.9043, 0.3168, 0.2962



33.3065, 0.3177, 0.2892



23.5564, 0.2988, 0.3449



5.1208, 0.3151, 0.3095



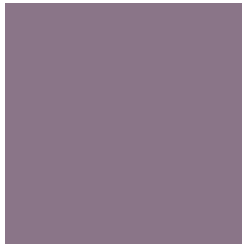
6.3037, 0.3462, 0.1681



0.0430, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 19.9034, 0.3168, 0.2962 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 19.9034, 0.3168, 0.2962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

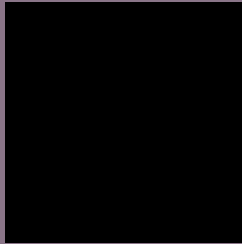
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9034, 0.3168, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 19.9034, 0.3168, 0.2962.



This preview shows how white text looks on a background with the Yxy color 19.9034, 0.3168, 0.2962.

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

19.9034, 0.3168, 0.2962

Protanopia

20.0949, 0.2930, 0.3000

Deuteranopia

19.9280, 0.3079, 0.3023



Tritanopia

19.8337, 0.3249, 0.3114

Trichromacy



Original Color

19.9034, 0.3168, 0.2962

Protanomaly

20.0217, 0.3010, 0.2986

Deuteranomaly

19.9295, 0.3116, 0.3008

Tritanomaly

19.9139, 0.3213, 0.3063

Monochromacy



Original Color

19.9034, 0.3168, 0.2962

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2499, 0.3145, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9034, 0.3168, 0.2962 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(138, 117, 136)` looks like.

```
.text, #text, p{  
    color:rgb(138, 117, 136)  
}
```

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(138, 117, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 117, 136) }
```

Border

The CSS property to change the border of an element to Yxy 19.9034, 0.3168, 0.2962 is called "border". The border property can be set on classes, ids or directly on the HTML element.

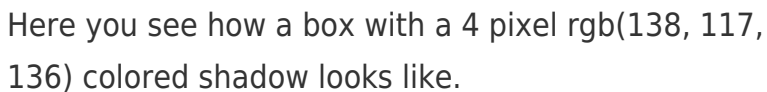
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 117, 136) }
```

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

```
.border{ border-color:rgb(138, 117, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 117, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 117, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 117, 136); box-shadow:4px 4px 4px 4px rgb(138, 117, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9034, 0.3168, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 117, 136) }
```

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

```
.background{ background-color: rgb(138,  
117, 136) }
```

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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