

Converting Colors

$Y_{xy}(20.9913, 0.3135, 0.3047)$

Have a look what the booklet for
Yxy(20.9913, 0.3135, 0.3047)
contains.

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Color

Yxy(20.9309, 0.3139, 0.3047)

Conversions

Conversions Part 1

Format	Color
Hex	887A88
RGB	136, 122, 136
RGB Percent	53%, 48%, 53%
CMY	0.4665, 0.5216, 0.4666
CMYK	0.00, 0.10, 0.00, 0.47
HSL	300°, 6%, 51%
HSV	300°, 10%, 53%
XYZ	21.5629, 20.9309, 26.1997
YIQ	127.7820, 3.8500, 7.3220

Conversions

Conversions Part 2

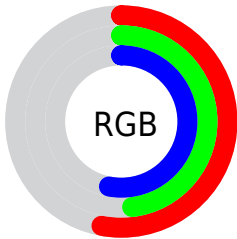
Format	Color
R_{YB}	136, 122, 136
Decimal	8944264
CIE _{Lab}	52.87, 8.08, -5.65
CIE _{LCh}	53, 9.857, 325.037
Yxy	20.9309, 0.3139, 0.3047
Android (android.graphics.Color)	4287134344 (0xFF887A88)
YUV	127.7820, 4.0515, 7.2072
Hunter-Lab	45.7503, 4.0670, -1.9282

Details

The Yxy color $20.9309, 0.3139, 0.3047$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $23.1638, 0.3115, 0.3546$, and the grayscale version is $21.4940, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.7650, 0.3136, 0.3099$, and $7.4154, 0.3143, 0.2950$ is the 20% darker color. If you saturate the color by 10%, you get $17.8209, 0.3151, 0.2807$, and if you desaturate by 10%, it is $24.5104, 0.3128, 0.3282$.

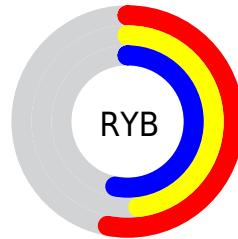
Distribution



Red (53%)

Green (48%)

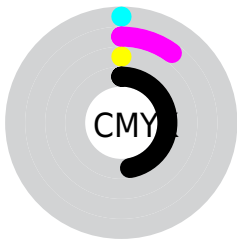
Blue (53%)



Red (53%)

Yellow (48%)

Blue (53%)

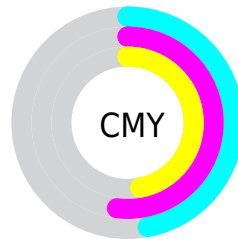


Cyan (0%)

Magenta (10%)

Yellow (0%)

Black (47%)



Cyan (47%)


Magenta (52%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9309, 0.3139, 0.3047 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 20.9309, 0.3139, 0.3047 by changing the saturation by 10% instead.


 20.9309, 0.3139,
0.3047


 20.9309, 0.3139,
0.3047


256.9110, 0.3133,
0.3183


 13.0735, 0.3140,
0.3007


 44.9725, 0.3137,
0.3100

 7.4792, 0.3142,
0.2953


 61.9255, 0.3136,
0.3119

 3.7635, 0.3143,
0.2871

 82.6792, 0.3136,
0.3134

 1.5422, 0.3144,
0.2739

107.6179, 0.3135,
0.3147

 0.3181, 0.3204,
0.2041

137.1260, 0.3134,
0.3158

 0.0000, 0.0000,
0.0000

171.5880, 0.3134,

0.3167

211.3882, 0.3134,
0.3175

■ 20.9309, 0.3139,
0.3047

■ 20.9309, 0.3139,
0.3047

■ 17.8209, 0.3151,
0.2807

■ 24.5104, 0.3128,
0.3282

■ 15.1584, 0.3163,
0.2567

■ 28.5750, 0.3117,
0.3508

■ 12.9236, 0.3174,
0.2337

■ 33.1427, 0.3106,
0.3720

■ 11.0942, 0.3185,
0.2124

■ 38.2299, 0.3097,
0.3918

■ 9.6459, 0.3194,
0.1937

■ 43.8523, 0.3088,
0.4099

■ 8.5519, 0.3202,
0.1783

■ 50.0248, 0.3080,
0.4266

■ 7.7817, 0.3208,
0.1667

■ 56.7619, 0.3073,
0.4417

■ 7.2997, 0.3213,
0.1592

■ 64.0774, 0.3066,
0.4553

■ 7.0071, 0.3215,
0.1545

■ 71.9847, 0.3061,
0.4677

Harmonies

Analogous

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



20.9309, 0.2963, 0.2990



20.9309, 0.3139, 0.3047



20.9309, 0.3316, 0.3164

Triad

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



20.9309, 0.3139, 0.3047



20.9309, 0.3425, 0.3573



20.9309, 0.2820, 0.3252

Complementary

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



20.9309, 0.3139, 0.3047



23.1638, 0.3115, 0.3546

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.



20.9309, 0.2938, 0.3419



20.9309, 0.3139, 0.3047



20.9309, 0.3286, 0.3607

Square

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



20.9309, 0.3139, 0.3047



20.9309, 0.3484, 0.3464



20.9309, 0.3107, 0.3552



20.9309, 0.2783, 0.3102

Rectangle

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



20.9309, 0.3139, 0.3047



20.9309, 0.3409, 0.3263



20.9309, 0.3107, 0.3552



20.9309, 0.2852, 0.3308

Sweetspot

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



20.9318, 0.3139, 0.3047



41.3582, 0.3131, 0.3219



19.8313, 0.2972, 0.3033



9.4661, 0.3131, 0.3201



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.



20.9318, 0.3139, 0.3047



35.7429, 0.3141, 0.3001



20.7394, 0.3219, 0.3167



5.1288, 0.3138, 0.3075



6.6271, 0.3215, 0.1545



0.0441, 0.3212, 0.1543

Inverse Universe

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



20.9318, 0.3139, 0.3047



35.7429, 0.3141, 0.3001



23.3435, 0.3044, 0.3416



5.1288, 0.3138, 0.3075



6.6271, 0.3215, 0.1545



0.0441, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 20.9309, 0.3139, 0.3047 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 20.9309, 0.3139, 0.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

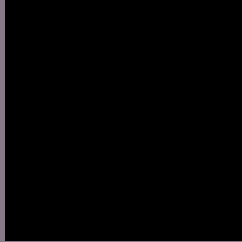
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9309, 0.3139, 0.3047

Background



This preview shows how black text looks on a background with the Yxy color 20.9309, 0.3139, 0.3047.



This preview shows how white text looks on a background with the Yxy color 20.9309, 0.3139, 0.3047.

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

20.9309, 0.3139, 0.3047

Protanopia

20.8622, 0.2986, 0.3057

Deuteranopia

21.0118, 0.3114, 0.3063



Tritanopia

20.9828, 0.3171, 0.3133

Trichromacy



Original Color

20.9309, 0.3139, 0.3047

Protanomaly

20.8886, 0.3043, 0.3060

Deuteranomaly

21.0944, 0.3126, 0.3064

Tritanomaly

21.0103, 0.3160, 0.3115

Monochromacy



Original Color

20.9309, 0.3139, 0.3047

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.3857, 0.3131, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9309, 0.3139, 0.3047 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(136, 122, 136)` looks like.

```
.text, #text, p{  
    color:rgb(136, 122, 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(136, 122, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 122, 136) }
```

Border

The CSS property to change the border of an element to Yxy 20.9309, 0.3139, 0.3047 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(136, 122, 136) }
```

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

```
.border{ border-color:rgb(136, 122, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 122, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 122, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 122, 136);  
box-shadow:4px 4px 4px 4px rgb(136, 122,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9309, 0.3139, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 122, 136) }
```

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

```
.background{ background-color: rgb(136,  
122, 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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