

Converting Colors

$Yxy(19.8609, 0.2239, 0.3203)$

Have a look what the booklet for
Yxy(19.8609, 0.2239, 0.3203)
contains.

Yxy(19.8926, 0.2239, 0.3203)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8926, 0.2239, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	0C898D
RGB	12, 137, 141
RGB Percent	5%, 54%, 55%
CMY	0.9528, 0.4627, 0.4470
CMYK	0.91, 0.03, 0.00, 0.45
HSL	182°, 84%, 30%
HSV	182°, 91%, 55%
XYZ	13.9056, 19.8926, 28.3080
YIQ	100.0810, -75.7840, -25.2560

Conversions

Conversions Part 2

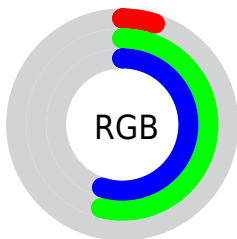
Format	Color
R _Y B	12, 75, 141
Decimal	821645
CIE Lab	51.72, -28.41, -10.90
CIE LCh	52, 30.432, 200.982
Yxy	19.8926, 0.2239, 0.3203
Android (android.graphics.Color)	4279011725 (0xFF0C898D)
YUV	100.0810, 20.1731, -77.2470
Hunter-Lab	44.6011, -22.3999, -6.4101

Details

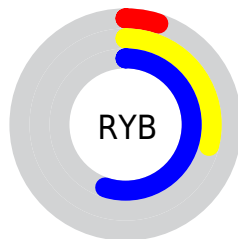
The Yxy color **19.8926, 0.2239, 0.3203** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.0619, 0.6166, 0.3326**, and the grayscale version is **12.7315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3256, 0.2429, 0.3228**, and **7.4109, 0.2203, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **19.7087, 0.2221, 0.3195**, and if you desaturate by 10%, it is **20.1611, 0.2270, 0.3213**.

Distribution



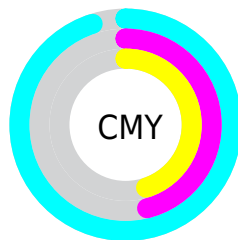
- Red (5%)
- Green (54%)
- Blue (55%)



- Red (5%)
- Yellow (29%)
- Blue (55%)



- Cyan (91%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)





- Cyan (95%)
- Magenta (46%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8926, 0.2239, 0.3203 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 19.8926, 0.2239, 0.3203 by changing the saturation by 10% instead.


 19.8926, 0.2239,
0.3203

 19.8926, 0.2239,
0.3203


 251.3331, 0.2732,
0.3267


 12.3170, 0.2099,
0.3177


 43.2370, 0.2431,
0.3233

 6.9600, 0.1908,
0.3135


 59.7747, 0.2499,
0.3242


 3.4371, 0.1635,
0.3061

 80.0685, 0.2555,
0.3248

 1.3639, 0.1159,
0.2931

 104.5027, 0.2602,
0.3254

 0.1899, 0.0000,
0.1639

 133.4620, 0.2641,
0.3258

 0.0000, 0.0000,
0.0000

 167.3305, 0.2676,

0.3261

206.4928, 0.2705,
0.3264

■ 19.8926, 0.2239,
0.3203

■ 19.8926, 0.2239,
0.3203

■ 19.7087, 0.2221,
0.3195

■ 20.1611, 0.2270,
0.3213

■ 20.5209, 0.2319,
0.3223

■ 20.9845, 0.2385,
0.3233

■ 21.5619, 0.2470,
0.3243

■ 22.2621, 0.2571,
0.3253

■ 23.0930, 0.2688,
0.3263

■ 24.0619, 0.2818,
0.3272

■ 25.1756, 0.2958,
0.3281

■ 26.4404, 0.3105,
0.3289

Harmonies

Analogous

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



19.8926, 0.2592, 0.3778



19.8926, 0.2239, 0.3203



19.8926, 0.2113, 0.2726

Triad

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



19.8926, 0.2239, 0.3203



19.8926, 0.3064, 0.2552



19.8926, 0.4083, 0.4092

Complementary

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



19.8926, 0.2239, 0.3203



6.0619, 0.6166, 0.3326

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.



19.8926, 0.4256, 0.3700



19.8926, 0.2239, 0.3203



19.8926, 0.3641, 0.2855

Square

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



19.8926, 0.2239, 0.3203



19.8926, 0.2554, 0.2407



19.8926, 0.4094, 0.3260



19.8926, 0.3656, 0.4311

Rectangle

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



19.8926, 0.2239, 0.3203



19.8926, 0.2161, 0.2522



19.8926, 0.4094, 0.3260



19.8926, 0.4175, 0.3974

Sweetspot

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



19.8933, 0.2239, 0.3203



41.9953, 0.2737, 0.3267



19.1622, 0.3000, 0.5891



9.2701, 0.2700, 0.3264



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.8933, 0.2239, 0.3203



35.2443, 0.2220, 0.3193



6.9495, 0.1834, 0.1714



6.0880, 0.2991, 0.3283



17.9735, 0.2221, 0.3195



0.1777, 0.2235, 0.3245

Inverse Universe

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



7.7334, 0.3277, 0.1621



13.3513, 0.3288, 0.1585



11.2349, 0.5149, 0.4185



5.5082, 0.3142, 0.3080



6.8008, 0.3286, 0.1584



0.0656, 0.3244, 0.1561

Previews

White Background



This preview shows how the Yxy color 19.8926, 0.2239, 0.3203 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 19.8926, 0.2239, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

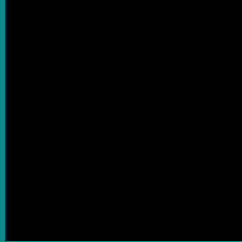
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8926, 0.2239, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 19.8926, 0.2239, 0.3203.



This preview shows how white text looks on a background with the Yxy color 19.8926, 0.2239, 0.3203.

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

19.8926, 0.2239, 0.3203

Protanopia

19.6953, 0.3027, 0.3124

Deuteranopia

19.7624, 0.2900, 0.2846



Tritanopia

19.8971, 0.2219, 0.3061

Trichromacy



Original Color

19.8926, 0.2239, 0.3203

Protanomaly

18.7219, 0.2579, 0.3126

Deuteranomaly

18.7743, 0.2510, 0.2934

Tritanomaly

19.7911, 0.2222, 0.3100

Monochromacy



Original Color

19.8926, 0.2239, 0.3203

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.2770, 0.2585, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8926, 0.2239, 0.3203 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(12, 137, 141)` looks like.

```
.text, #text, p{  
    color:rgb(12, 137, 141)  
}
```

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(12, 137, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 137, 141) }
```

Border

The CSS property to change the border of an element to Yxy 19.8926, 0.2239, 0.3203 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(12, 137, 141) }
```

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

```
.border{ border-color:rgb(12, 137, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 137, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 137, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 137, 141);  
box-shadow:4px 4px 4px 4px rgb(12, 137,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8926, 0.2239, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 137, 141) }
```

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

```
.background{ background-color: rgb(12, 137,  
141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor