

Converting Colors

$Yxy(14.4033, 0.0489, 0.2756)$

Have a look what the booklet for
Yxy(14.4033, 0.0489, 0.2756)
contains.

Yxy(20.9684, 0.2137, 0.2893)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.9684, 0.2137, 0.2893)

Conversions

Conversions Part 1

Format	Color
Hex	008B9F
RGB	0, 139, 159
RGB Percent	0%, 55%, 62%
CMY	1.0000, 0.4549, 0.3765
CMYK	1.00, 0.13, 0.00, 0.38
HSL	188°, 100%, 31%
HSV	188°, 100%, 62%
XYZ	15.4889, 20.9684, 36.0225
YIQ	99.7190, -89.2640, -23.2480

Conversions

Conversions Part 2

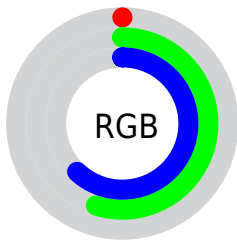
Format	Color
RYB	0, 74, 159
Decimal	35743
CIELab	52.91, -23.94, -19.51
CIElCh	53, 30.882, 219.172
Yxy	20.9684, 0.2137, 0.2893
Android (android.graphics.Color)	4278225823 (0xFF008B9F)
YUV	99.7190, 29.2255, -87.4536
Hunter-Lab	45.7913, -19.7570, -14.5876

Details

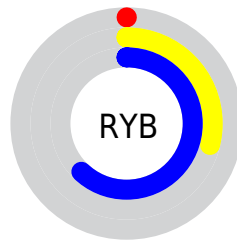
The Yxy color **20.9684, 0.2137, 0.2893** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.8684, 0.6279, 0.3397**, and the grayscale version is **12.6103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1188, 0.2341, 0.2990**, and **8.2275, 0.2096, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **20.9691, 0.2137, 0.2893**, and if you desaturate by 10%, it is **21.6622, 0.2168, 0.2936**.

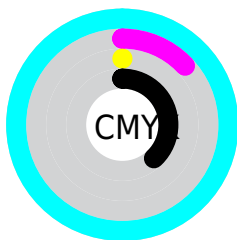
Distribution



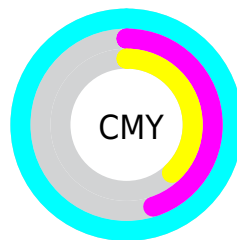
- Red (0%)
- Green (55%)
- Blue (62%)



- Red (0%)
- Yellow (29%)
- Blue (62%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (38%)





- Cyan (100%)
- Magenta (45%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9684, 0.2137, 0.2893 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 20.9684, 0.2137, 0.2893 by changing the saturation by 10% instead.


 20.9684, 0.2137,
0.2893


 20.9684, 0.2137,
0.2893


257.1105, 0.2676,
0.3132

 13.1009, 0.1989,
0.2817


 45.0349, 0.2343,
0.2991

 7.4981, 0.1792,
0.2707


 62.0028, 0.2417,
0.3025

 3.7755, 0.1520,
0.2538

 82.7728, 0.2479,
0.3052

 1.5488, 0.1128,
0.2256

 107.7295, 0.2531,
0.3074

 0.3227, 0.0000,
0.1435

 137.2573, 0.2575,
0.3092

 0.0000, 0.0000,
0.0000

 171.7404, 0.2613,

0.3107

211.5633, 0.2646,
0.3121

■ 20.9684, 0.2137,
0.2893

■ 20.9684, 0.2137,
0.2893

■ 20.9691, 0.2137,
0.2893

■ 21.6622, 0.2168,
0.2936

■ 22.4512, 0.2212,
0.2979

■ 23.3735, 0.2274,
0.3022

■ 24.4448, 0.2355,
0.3065

■ 25.6784, 0.2453,
0.3108

■ 27.0863, 0.2567,
0.3149

■ 28.6790, 0.2694,
0.3188

■ 30.4665, 0.2832,
0.3225

■ 32.4576, 0.2977,
0.3259

Harmonies

Analogous

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



20.9684, 0.2355, 0.3429



20.9684, 0.2137, 0.2893



20.9684, 0.2155, 0.2538

Triad

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



20.9684, 0.2137, 0.2893



20.9684, 0.3416, 0.2721



20.9684, 0.3845, 0.4253

Complementary

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



20.9684, 0.2137, 0.2893



7.8684, 0.6279, 0.3397

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.



20.9684, 0.4185, 0.3949



20.9684, 0.2137, 0.2893



20.9684, 0.3941, 0.3093

Square

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



20.9684, 0.2137, 0.2893



20.9684, 0.2848, 0.2476



20.9684, 0.4230, 0.3527



20.9684, 0.3328, 0.4293

Rectangle

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



20.9684, 0.2137, 0.2893



20.9684, 0.2295, 0.2425



20.9684, 0.4230, 0.3527



20.9684, 0.3984, 0.4173

Sweetspot

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



20.9691, 0.2137, 0.2893



51.2036, 0.2686, 0.3186



24.8350, 0.2973, 0.5903



11.2809, 0.2635, 0.3170



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.9691, 0.2137, 0.2893



37.3673, 0.2135, 0.2885



5.8339, 0.1676, 0.1235



7.3672, 0.2988, 0.3261



16.6083, 0.2138, 0.2897



0.3329, 0.2186, 0.3068

Inverse Universe

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



9.2331, 0.3550, 0.1729



16.5204, 0.3557, 0.1733



16.1114, 0.5058, 0.4366



6.7402, 0.3156, 0.3097



7.2988, 0.3546, 0.1727



0.1341, 0.3394, 0.1644

Previews

White Background



This preview shows how the Yxy color 20.9684, 0.2137, 0.2893 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 20.9684, 0.2137, 0.2893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

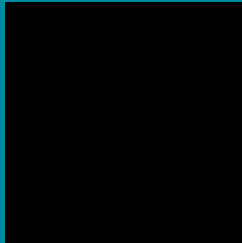
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9684, 0.2137, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 20.9684, 0.2137, 0.2893.

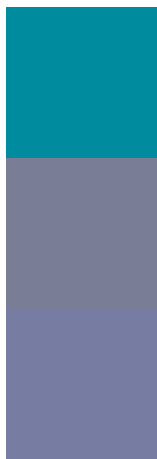


This preview shows how white text looks on a background with the Yxy color 20.9684, 0.2137, 0.2893.

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

20.9684, 0.2137, 0.2893

Protanopia

20.9021, 0.2831, 0.2866

Deuteranopia

20.8755, 0.2678, 0.2637



Tritanopia

20.9905, 0.2185, 0.3065

Trichromacy



Original Color

20.9684, 0.2137, 0.2893

Protanomaly

19.8430, 0.2409, 0.2846

Deuteranomaly

19.7696, 0.2335, 0.2687

Tritanomaly

21.0893, 0.2169, 0.3007

Monochromacy



Original Color

20.9684, 0.2137, 0.2893

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.5051, 0.2498, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9684, 0.2137, 0.2893 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(0, 139, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 159)  
}
```

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(0, 139, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 159) }
```

Border

The CSS property to change the border of an element to Yxy 20.9684, 0.2137, 0.2893 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(0, 139, 159) }
```

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

```
.border{ border-color:rgb(0, 139, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9684, 0.2137, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 159) }
```

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

```
.background{ background-color: rgb(0, 139,  
159) }
```

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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