

Converting Colors

$Yxy(19.2486, 0.2107, 0.2783)$

Have a look what the booklet for
Yxy(19.2486, 0.2107, 0.2783)
contains.

Yxy(19.2437, 0.2107, 0.2785)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.2437, 0.2107, 0.2785)

Conversions

Conversions Part 1

Format	Color
Hex	00859E
RGB	0, 133, 158
RGB Percent	0%, 52%, 62%
CMY	1.0000, 0.4784, 0.3804
CMYK	1.00, 0.16, 0.00, 0.38
HSL	189°, 100%, 31%
HSV	189°, 100%, 62%
XYZ	14.5589, 19.2437, 35.2951
YIQ	96.0830, -87.2930, -20.4210

Conversions

Conversions Part 2

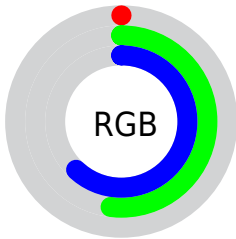
Format	Color
RYB	0, 72, 158
Decimal	34206
CIELab	50.97, -21.14, -21.92
CIELCh	51, 30.455, 226.035
Yxy	19.2437, 0.2107, 0.2785
Android (android.graphics.Color)	4278224286 (0xFF00859E)
YUV	96.0830, 30.5251, -84.2648
Hunter-Lab	43.8676, -17.5274, -16.9963

Details

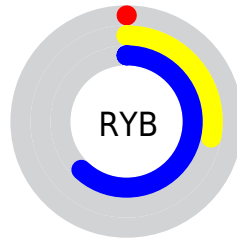
The Yxy color **19.2437, 0.2107, 0.2785** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.9645, 0.6231, 0.3435**, and the grayscale version is **11.6592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9966, 0.2319, 0.2899**, and **7.2480, 0.2052, 0.2588** is the 20% darker color. If you saturate the color by 10%, you get **19.2444, 0.2107, 0.2785**, and if you desaturate by 10%, it is **20.0455, 0.2142, 0.2840**.

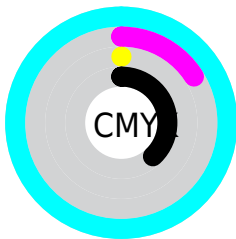
Distribution



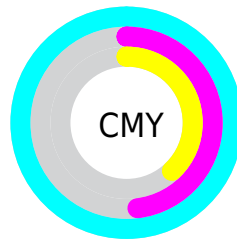
- Red (0%)
- Green (52%)
- Blue (62%)



- Red (0%)
- Yellow (28%)
- Blue (62%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)




- Cyan (100%)
- Magenta (48%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2437, 0.2107, 0.2785 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 19.2437, 0.2107, 0.2785 by changing the saturation by 10% instead.


 19.2437, 0.2107,
0.2785


 19.2437, 0.2107,
0.2785


 247.7908, 0.2667,
0.3087


 11.8465, 0.1951,
0.2690


 42.1455, 0.2323,
0.2909


 6.6392, 0.1743,
0.2553


 58.4189, 0.2400,
0.2951


 3.2375, 0.1455,
0.2346

 78.4198, 0.2464,
0.2984

 1.2570, 0.1020,
0.2010

 102.5326, 0.2518,
0.3012

 0.1075, 0.0000,
0.0556

 131.1417, 0.2564,
0.3036

 0.0000, 0.0000,
0.0000

 164.6315, 0.2603,

0.3055

203.3864, 0.2637,
0.3072

■ 19.2437, 0.2107,
0.2785

■ 19.2437, 0.2107,
0.2785

■ 19.2444, 0.2107,
0.2785

■ 20.0455, 0.2142,
0.2840

■ 20.9470, 0.2190,
0.2895

■ 21.9858, 0.2257,
0.2951

■ 23.1776, 0.2342,
0.3006

■ 24.5355, 0.2444,
0.3060

■ 26.0713, 0.2561,
0.3112

■ 27.7955, 0.2691,
0.3161

■ 29.7178, 0.2831,
0.3208

■ 31.8473, 0.2977,
0.3251

Harmonies

Analogous

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



19.2437, 0.2273, 0.3296



19.2437, 0.2107, 0.2785



19.2437, 0.2179, 0.2477

Triad

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



19.2437, 0.2107, 0.2785



19.2437, 0.3553, 0.2791



19.2437, 0.3745, 0.4305

Complementary

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



19.2437, 0.2107, 0.2785



7.9645, 0.6231, 0.3435

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.



19.2437, 0.4144, 0.4043



19.2437, 0.2107, 0.2785



19.2437, 0.4047, 0.3187

Square

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



19.2437, 0.2107, 0.2785



19.2437, 0.2969, 0.2508



19.2437, 0.4266, 0.3631



19.2437, 0.3200, 0.4267

Rectangle

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



19.2437, 0.2107, 0.2785



19.2437, 0.2355, 0.2397



19.2437, 0.4266, 0.3631



19.2437, 0.3901, 0.4244

Sweetspot

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



19.2444, 0.2107, 0.2785



50.2823, 0.2683, 0.3158



24.5189, 0.2961, 0.5861



11.0480, 0.2631, 0.3139



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.



19.2444, 0.2107, 0.2785



34.7048, 0.2104, 0.2775



5.2297, 0.1651, 0.1143



7.3306, 0.2988, 0.3254



15.4597, 0.2108, 0.2790



0.3201, 0.2169, 0.3009

Inverse Universe

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



8.9628, 0.3649, 0.1784



16.2516, 0.3658, 0.1789



16.9103, 0.4966, 0.4439



6.7365, 0.3160, 0.3104



7.1829, 0.3644, 0.1781



0.1328, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 19.2437, 0.2107, 0.2785 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 19.2437, 0.2107, 0.2785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

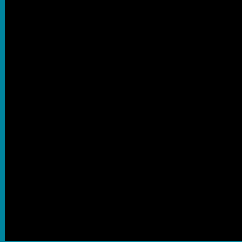
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2437, 0.2107, 0.2785

Background



This preview shows how black text looks on a background with the Yxy color 19.2437, 0.2107, 0.2785.

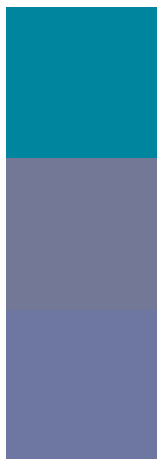


This preview shows how white text looks on a background with the Yxy color 19.2437, 0.2107, 0.2785.

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

19.2437, 0.2107, 0.2785

Protanopia

19.1803, 0.2750, 0.2764

Deuteranopia

19.0819, 0.2598, 0.2547



Tritanopia

19.3723, 0.2188, 0.3077

Trichromacy



Original Color

19.2437, 0.2107, 0.2785

Protanomaly

18.3507, 0.2368, 0.2759

Deuteranomaly

18.2555, 0.2288, 0.2598

Tritanomaly

19.2522, 0.2155, 0.2957

Monochromacy



Original Color

19.2437, 0.2107, 0.2785

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.2613, 0.2469, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2437, 0.2107, 0.2785 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, 133, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 158)  
}
```

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, 133, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 158) }
```

Border

The CSS property to change the border of an element to Yxy 19.2437, 0.2107, 0.2785 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, 133, 158) }
```

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

```
.border{ border-color:rgb(0, 133, 158) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2437, 0.2107, 0.2785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 158) }
```

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

```
.background{ background-color: rgb(0, 133,  
158) }
```

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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