

Converting Colors

$Yxy(12.1313, 0.1537, 0.1967)$

Have a look what the booklet for
Yxy(12.1313, 0.1537, 0.1967)
contains.

Yxy(13.8396, 0.1911, 0.2078)	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

$Y_{xy}(13.8396, 0.1911, 0.2078)$

Conversions

Conversions Part 1

Format	Color
Hex	006DAA
RGB	0, 109, 170
RGB Percent	0%, 43%, 67%
CMY	0.9988, 0.5726, 0.3333
CMYK	1.00, 0.36, 0.00, 0.33
HSL	202°, 100%, 33%
HSV	202°, 100%, 67%
XYZ	12.7274, 13.8396, 40.0336
YIQ	83.3630, -84.5450, -4.1370

Conversions

Conversions Part 2

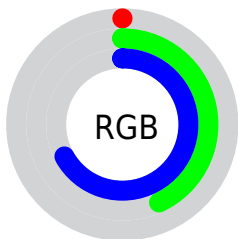
Format	Color
RYB	0, 66, 170
Decimal	28074
CIELab	44.00, -2.83, -39.83
CIELCh	44, 39.928, 265.939
Yxy	13.8396, 0.1911, 0.2078
Android (android.graphics.Color)	4278218154 (0xFF006DAA)
YUV	83.3630, 42.7120, -73.1094
Hunter-Lab	37.2016, -4.0346, -37.7624

Details

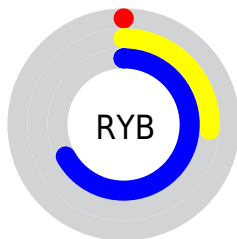
The Yxy color **13.8396, 0.1911, 0.2078** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.9194, 0.5793, 0.3780**, and the grayscale version is **8.6710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7564, 0.2175, 0.2342**, and **4.7296, 0.1817, 0.1742** is the 20% darker color. If you saturate the color by 10%, you get **13.8145, 0.1910, 0.2076**, and if you desaturate by 10%, it is **15.3098, 0.1970, 0.2212**.

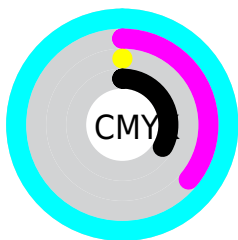
Distribution



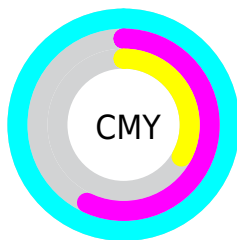
- Red (0%)
- Green (43%)
- Blue (67%)



- Red (0%)
- Yellow (26%)
- Blue (67%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (57%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8396, 0.1911, 0.2078 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 13.8396, 0.1911, 0.2078 by changing the saturation by 10% instead.


 13.8396, 0.1911,
0.2078


 13.8396, 0.1911,
0.2078


 216.2307, 0.2598,
0.2769


 8.0092, 0.1718,
0.1881


 32.8042, 0.2178,
0.2349


 4.1008, 0.1464,
0.1618

 46.7071, 0.2273,
0.2445


 1.7301, 0.1122,
0.1262

 64.0696, 0.2351,
0.2523

 0.4430, 0.0552,
0.0694

 85.2762, 0.2417,
0.2589

 0.0000, 0.0000,
0.0000

 110.7112, 0.2473,
0.2645

 140.7590, 0.2520,

0.2692

175.8041, 0.2561,
0.2733

■ 13.8396, 0.1911,
0.2078

■ 13.8396, 0.1911,
0.2078

■ 13.8145, 0.1910,
0.2076

■ 15.3098, 0.1970,
0.2212

■ 16.9754, 0.2046,
0.2348

■ 18.8783, 0.2142,
0.2485

■ 21.0389, 0.2256,
0.2620

■ 23.4746, 0.2385,
0.2752

■ 26.2007, 0.2525,
0.2877

■ 29.2315, 0.2673,
0.2994

■ 32.5798, 0.2825,
0.3103

■ 36.2578, 0.2978,
0.3202

Harmonies

Analogous

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



13.8396, 0.1714, 0.2365



13.8396, 0.1911, 0.2078



13.8396, 0.2400, 0.2076

Triad

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



13.8396, 0.1911, 0.2078



13.8396, 0.4635, 0.3301



13.8396, 0.2926, 0.4641

Complementary

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



13.8396, 0.1911, 0.2078



11.9194, 0.5793, 0.3780

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.



13.8396, 0.3716, 0.4822



13.8396, 0.1911, 0.2078



13.8396, 0.4758, 0.3904

Square

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



13.8396, 0.1911, 0.2078



13.8396, 0.4011, 0.2746



13.8396, 0.4393, 0.4474



13.8396, 0.2233, 0.3880

Rectangle

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



13.8396, 0.1911, 0.2078



13.8396, 0.2880, 0.2210



13.8396, 0.4393, 0.4474



13.8396, 0.3189, 0.4775

Sweetspot

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



13.8400, 0.1911, 0.2078



52.6155, 0.2662, 0.2986



29.0770, 0.2849, 0.5454



11.2197, 0.2601, 0.2939



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.8400, 0.1911, 0.2078



24.6371, 0.1904, 0.2052



3.6328, 0.1537, 0.0733



8.0715, 0.2987, 0.3207



10.2696, 0.1914, 0.2090



0.3415, 0.2037, 0.2533

Inverse Universe

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



9.6574, 0.4365, 0.2180



17.4615, 0.4394, 0.2194



28.6615, 0.4482, 0.4822



7.6201, 0.3190, 0.3146



7.1078, 0.4352, 0.2171



0.1822, 0.3890, 0.1916

Previews

White Background



This preview shows how the Yxy color 13.8396, 0.1911, 0.2078 looks on a white 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

Black Background



This preview shows how the Yxy color 13.8396, 0.1911, 0.2078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

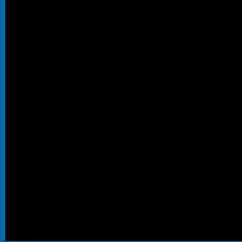
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8396, 0.1911, 0.2078

Background



This preview shows how black text looks on a background with the Yxy color 13.8396, 0.1911, 0.2078.



This preview shows how white text looks on a background with the Yxy color 13.8396, 0.1911, 0.2078.

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

13.8396, 0.1911, 0.2078

Protanopia

13.9324, 0.2256, 0.2117

Deuteranopia

13.8330, 0.2077, 0.2019



Tritanopia

13.7167, 0.2186, 0.3070

Trichromacy



Original Color

13.8396, 0.1911, 0.2078

Protanomaly

13.5864, 0.2056, 0.2092

Deuteranomaly

13.6797, 0.1977, 0.2027

Tritanomaly

13.7333, 0.2071, 0.2655

Monochromacy



Original Color

13.8396, 0.1911, 0.2078

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.6490, 0.2352, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8396, 0.1911, 0.2078 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, 109, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 170)  
}
```

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, 109, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 170) }
```

Border

The CSS property to change the border of an element to Yxy 13.8396, 0.1911, 0.2078 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, 109, 170) }
```

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

```
.border{ border-color:rgb(0, 109, 170) }
```

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

Here you see how a box with a 4 pixel rgb(0, 109, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8396, 0.1911, 0.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 170) }
```

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

```
.background{ background-color: rgb(0, 109,  
170) }
```

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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