

Converting Colors

$Yxy(11.8647, 0.1212, 0.1877)$

Have a look what the booklet for
Yxy(11.8647, 0.1212, 0.1877)
contains.

Yxy(14.9846, 0.1907, 0.2064)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.9846, 0.1907, 0.2064)

Conversions

Conversions Part 1

Format	Color
Hex	0071B1
RGB	0, 113, 177
RGB Percent	0%, 44%, 69%
CMY	0.9991, 0.5569, 0.3058
CMYK	1.00, 0.36, 0.00, 0.31
HSL	202°, 100%, 35%
HSV	202°, 100%, 69%
XYZ	13.8448, 14.9846, 43.7704
YIQ	86.5090, -87.8920, -4.0520

Conversions

Conversions Part 2

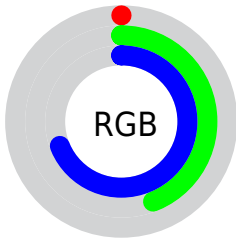
Format	Color
RYB	0, 69, 177
Decimal	29105
CIELab	45.61, -2.49, -41.38
CIELCh	46, 41.452, 266.549
Yxy	14.9846, 0.1907, 0.2064
Android (android.graphics.Color)	4278219185 (0xFF0071B1)
YUV	86.5090, 44.6121, -75.8684
Hunter-Lab	38.7099, -3.9011, -39.9439

Details

The Yxy color **14.9846, 0.1907, 0.2064** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.0479, 0.5792, 0.3781**, and the grayscale version is **9.3524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6583, 0.2167, 0.2326**, and **5.3517, 0.1817, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **14.9645, 0.1906, 0.2062**, and if you desaturate by 10%, it is **16.5931, 0.1966, 0.2199**.

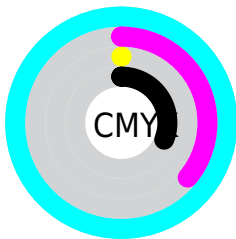
Distribution



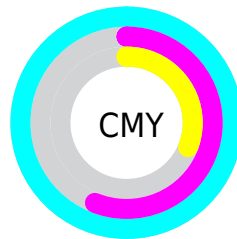
- Red (0%)
- Green (44%)
- Blue (69%)



- Red (0%)
- Yellow (27%)
- Blue (69%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9846, 0.1907, 0.2064 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 14.9846, 0.1907, 0.2064 by changing the saturation by 10% instead.

■ 14.9846, 0.1907,
0.2064

■ 14.9846, 0.1907,
0.2064

■ 223.2730, 0.2587,
0.2754

■ 8.8086, 0.1720,
0.1872

■ 34.8262, 0.2169,
0.2331

■ 4.6165, 0.1475,
0.1618

■ 49.2605, 0.2263,
0.2427

■ 2.0241, 0.1149,
0.1278

■ 67.2164, 0.2341,
0.2506

■ 0.6214, 0.0682,
0.0800

■ 89.0782, 0.2406,
0.2572

■ 0.0000, 0.0000,
0.0000

■ 115.2304, 0.2462,
0.2627

■ 146.0573, 0.2510,

0.2675

181.9434, 0.2551,
0.2717

■ 14.9846, 0.1907,
0.2064

■ 14.9846, 0.1907,
0.2064

■ 14.9645, 0.1906,
0.2062

■ 16.5931, 0.1966,
0.2199

■ 18.4183, 0.2041,
0.2337

■ 20.5056, 0.2137,
0.2475

■ 22.8774, 0.2252,
0.2612

■ 25.5530, 0.2381,
0.2745

■ 28.5496, 0.2522,
0.2872

■ 31.8828, 0.2671,
0.2990

■ 35.5669, 0.2824,
0.3100

■ 39.6155, 0.2977,
0.3200

Harmonies

Analogous

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



14.9846, 0.1703, 0.2346



14.9846, 0.1907, 0.2064



14.9846, 0.2406, 0.2067

Triad

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



14.9846, 0.1907, 0.2064



14.9846, 0.4659, 0.3312



14.9846, 0.2906, 0.4647

Complementary

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



14.9846, 0.1907, 0.2064



13.0479, 0.5792, 0.3781

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.



14.9846, 0.3704, 0.4842



14.9846, 0.1907, 0.2064



14.9846, 0.4772, 0.3919

Square

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



14.9846, 0.1907, 0.2064



14.9846, 0.4037, 0.2751



14.9846, 0.4393, 0.4494



14.9846, 0.2212, 0.3867

Rectangle

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



14.9846, 0.1907, 0.2064



14.9846, 0.2893, 0.2206



14.9846, 0.4393, 0.4494



14.9846, 0.3172, 0.4787

Sweetspot

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



14.9851, 0.1907, 0.2064



56.6793, 0.2661, 0.2983



31.8048, 0.2850, 0.5461



11.7394, 0.2600, 0.2935



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



14.9851, 0.1907, 0.2064



26.3583, 0.1900, 0.2040



3.9495, 0.1536, 0.0729



9.1035, 0.2986, 0.3206



10.9573, 0.1910, 0.2077



0.4508, 0.2015, 0.2454

Inverse Universe

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



10.5472, 0.4381, 0.2188



18.8274, 0.4408, 0.2202



31.3254, 0.4483, 0.4822



8.5934, 0.3191, 0.3146



7.6463, 0.4367, 0.2179



0.2513, 0.3968, 0.1959

Previews

White Background



This preview shows how the Yxy color 14.9846, 0.1907, 0.2064 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 14.9846, 0.1907, 0.2064 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 14.9846, 0.1907, 0.2064

Background



This preview shows how black text looks on a background with the Yxy color 14.9846, 0.1907, 0.2064.



This preview shows how white text looks on a background with the Yxy color 14.9846, 0.1907, 0.2064.

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

14.9846, 0.1907, 0.2064

Protanopia

15.0493, 0.2247, 0.2116

Deuteranopia

14.9636, 0.2064, 0.2007



Tritanopia

14.9915, 0.2195, 0.3100

Trichromacy



Original Color

14.9846, 0.1907, 0.2064

Protanomaly

14.7113, 0.2045, 0.2078

Deuteranomaly

14.8173, 0.1970, 0.2015

Tritanomaly

14.7979, 0.2070, 0.2652

Monochromacy



Original Color

14.9846, 0.1907, 0.2064

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.5340, 0.2346, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9846, 0.1907, 0.2064 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, 113, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 177)  
}
```

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, 113, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 177) }
```

Border

The CSS property to change the border of an element to Yxy 14.9846, 0.1907, 0.2064 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, 113, 177) }
```

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

```
.border{ border-color:rgb(0, 113, 177) }
```

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

Here you see how a box with a 4 pixel rgb(0, 113, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9846, 0.1907, 0.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 177) }
```

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

```
.background{ background-color: rgb(0, 113,  
177) }
```

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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