

Converting Colors

$Yxy(17.9857, 0.1911, 0.2078)$

Have a look what the booklet for
Yxy(17.9857, 0.1911, 0.2078)
contains.

Yxy(17.9275, 0.1911, 0.2077)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.9275, 0.1911, 0.2077)

Conversions

Conversions Part 1

Format	Color
Hex	017BBF
RGB	1, 123, 191
RGB Percent	0%, 48%, 75%
CMY	0.9973, 0.5177, 0.2509
CMYK	1.00, 0.36, 0.00, 0.25
HSL	201°, 99%, 38%
HSV	201°, 100%, 75%
XYZ	16.4947, 17.9275, 51.8922
YIQ	94.2740, -94.5400, -4.7160

Conversions

Conversions Part 2

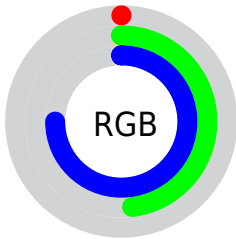
Format	Color
RYB	1, 75, 191
Decimal	97215
CIELab	49.41, -3.04, -43.45
CIELCh	49, 43.556, 266.001
Yxy	17.9275, 0.1911, 0.2077
Android (android.graphics.Color)	4278287295 (0xFF017BBF)
YUV	94.2740, 47.6859, -81.8013
Hunter-Lab	42.3409, -4.5585, -43.0261

Details

The Yxy color **17.9275, 0.1911, 0.2077** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.3039, 0.5809, 0.3766**, and the grayscale version is **11.1383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8702, 0.2158, 0.2326**, and **6.8383, 0.1827, 0.1777** is the 20% darker color. If you saturate the color by 10%, you get **17.8622, 0.1909, 0.2072**, and if you desaturate by 10%, it is **19.8236, 0.1968, 0.2211**.

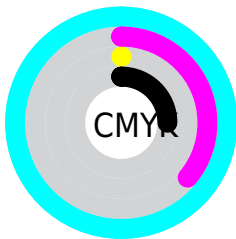
Distribution



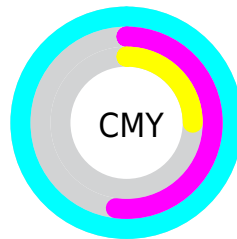
- Red (0%)
- Green (48%)
- Blue (75%)



- Red (0%)
- Yellow (29%)
- Blue (75%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (52%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9275, 0.1911, 0.2077 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 17.9275, 0.1911, 0.2077 by changing the saturation by 10% instead.

■ 17.9275, 0.1911,
0.2077

■ 17.9275, 0.1911,
0.2077

■ 240.4621, 0.2571,
0.2742

■ 10.8979, 0.1736,
0.1898

■ 39.9137, 0.2160,
0.2330

■ 5.9983, 0.1511,
0.1666

■ 55.6392, 0.2251,
0.2422

■ 2.8440, 0.1217,
0.1359

■ 75.0322, 0.2327,
0.2498

■ 1.0508, 0.0834,
0.0954

■ 98.4769, 0.2391,
0.2563

■ 0.0000, 0.0000,
0.0000

■ 126.3579, 0.2446,
0.2617

■ 159.0595, 0.2493,

0.2665

196.9661, 0.2535,
0.2706

■ 17.9275, 0.1911,
0.2077

■ 17.9275, 0.1911,
0.2077

■ 17.8622, 0.1909,
0.2072

■ 19.8236, 0.1968,
0.2211

■ 21.9804, 0.2043,
0.2347

■ 24.4474, 0.2139,
0.2484

■ 27.2516, 0.2253,
0.2620

■ 30.4163, 0.2382,
0.2752

■ 33.9621, 0.2523,
0.2877

■ 37.9077, 0.2672,
0.2995

■ 42.2704, 0.2826,
0.3104

■ 47.0661, 0.2980,
0.3203

Harmonies

Analogous

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



17.9275, 0.1713, 0.2364



17.9275, 0.1911, 0.2077



17.9275, 0.2401, 0.2075

Triad

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



17.9275, 0.1911, 0.2077



17.9275, 0.4636, 0.3302



17.9275, 0.2924, 0.4641

Complementary

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



17.9275, 0.1911, 0.2077



15.3039, 0.5809, 0.3766

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.



17.9275, 0.3715, 0.4824



17.9275, 0.1911, 0.2077



17.9275, 0.4759, 0.3905

Square

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



17.9275, 0.1911, 0.2077



17.9275, 0.4014, 0.2747



17.9275, 0.4393, 0.4475



17.9275, 0.2231, 0.3878

Rectangle

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



17.9275, 0.1911, 0.2077



17.9275, 0.2881, 0.2210



17.9275, 0.4393, 0.4475



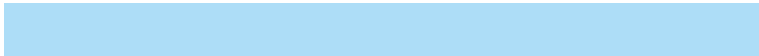
17.9275, 0.3188, 0.4775

Sweetspot

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



17.9281, 0.1911, 0.2077



67.2571, 0.2660, 0.2986



37.6837, 0.2852, 0.5466



14.0929, 0.2596, 0.2936



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



17.9281, 0.1911, 0.2077



31.5077, 0.1903, 0.2052



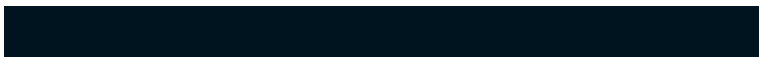
4.6576, 0.1536, 0.0725



10.2200, 0.2985, 0.3206



11.8927, 0.1914, 0.2090



0.5853, 0.2003, 0.2411

Inverse Universe

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



12.5236, 0.4366, 0.2181



22.3385, 0.4395, 0.2195



37.0873, 0.4483, 0.4820



9.6368, 0.3191, 0.3144



8.2303, 0.4352, 0.2171



0.3344, 0.4012, 0.1984

Previews

White Background



This preview shows how the Yxy color 17.9275, 0.1911, 0.2077 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 17.9275, 0.1911, 0.2077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

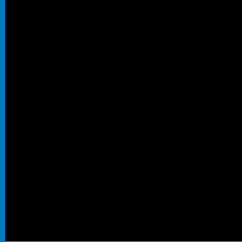
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9275, 0.1911, 0.2077

Background



This preview shows how black text looks on a background with the Yxy color 17.9275, 0.1911, 0.2077.

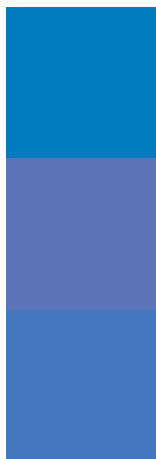


This preview shows how white text looks on a background with the Yxy color 17.9275, 0.1911, 0.2077.

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

17.9340, 0.1912, 0.2078

Protanopia

17.9463, 0.2251, 0.2115

Deuteranopia

18.0278, 0.2076, 0.2029



Tritanopia

17.8293, 0.2192, 0.3091

Trichromacy



Original Color

17.9340, 0.1912, 0.2078

Protanomaly

17.4443, 0.2044, 0.2074

Deuteranomaly

17.7742, 0.1975, 0.2033

Tritanomaly

17.6474, 0.2071, 0.2656

Monochromacy



Original Color

17.9340, 0.1912, 0.2078

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.6488, 0.2356, 0.2740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9275, 0.1911, 0.2077 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(1, 123, 191)` looks like.

```
.text, #text, p{  
    color:rgb(1, 123, 191)  
}
```

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(1, 123, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 123, 191) }
```

Border

The CSS property to change the border of an element to Yxy 17.9275, 0.1911, 0.2077 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(1, 123, 191) }
```

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

```
.border{ border-color:rgb(1, 123, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 123, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 123, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 123, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 123,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9275, 0.1911, 0.2077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 123, 191) }
```

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

```
.background{ background-color: rgb(1, 123,  
191) }
```

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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