

Converting Colors

$Yxy(17.5454, 0.1934, 0.2162)$

Have a look what the booklet for
Yxy(17.5454, 0.1934, 0.2162)
contains.

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Color

Yxy(17.6266, 0.1936, 0.2169)

Conversions

Conversions Part 1

Format	Color
Hex	007BB8
RGB	0, 123, 184
RGB Percent	0%, 48%, 72%
CMY	0.9996, 0.5176, 0.2785
CMYK	1.00, 0.33, 0.00, 0.28
HSL	200°, 100%, 36%
HSV	200°, 100%, 72%
XYZ	15.7331, 17.6266, 47.9063
YIQ	93.1770, -92.8890, -7.1050

Conversions

Conversions Part 2

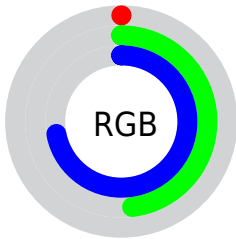
Format	Color
RYB	0, 74, 184
Decimal	31672
CIELab	49.04, -5.81, -39.98
CIELCh	49, 40.398, 261.729
Yxy	17.6266, 0.1936, 0.2169
Android (android.graphics.Color)	4278221752 (0xFF007BB8)
YUV	93.1770, 44.7757, -81.7162
Hunter-Lab	41.9840, -6.5810, -38.2646

Details

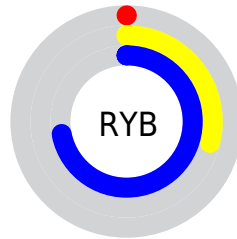
The Yxy color **17.6266, 0.1936, 0.2169** is a dark color, and the websafe version is hex **006699**, and the color name is **star command blue**. A complement of this color would be **13.5324, 0.5880, 0.3712**, and the grayscale version is **10.9067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2784, 0.2182, 0.2410**, and **6.6708, 0.1853, 0.1869** is the 20% darker color. If you saturate the color by 10%, you get **17.6184, 0.1936, 0.2168**, and if you desaturate by 10%, it is **19.3211, 0.1990, 0.2293**.

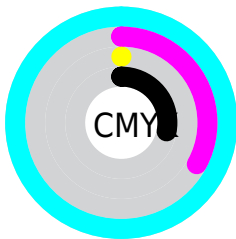
Distribution



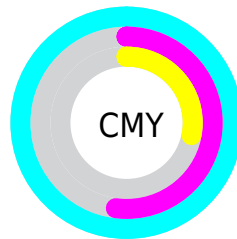
- Red (0%)
- Green (48%)
- Blue (72%)



- Red (0%)
- Yellow (29%)
- Blue (72%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (52%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6266, 0.1936, 0.2169 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 17.6266, 0.1936, 0.2169 by changing the saturation by 10% instead.

■ 17.6266, 0.1936,
0.2169

■ 17.6266, 0.1936,
0.2169

■ 238.7579, 0.2586,
0.2793

■ 10.6822, 0.1762,
0.1997

■ 39.4000, 0.2183,
0.2409

■ 5.8536, 0.1535,
0.1769

■ 54.9979, 0.2273,
0.2496

■ 2.7563, 0.1235,
0.1462

■ 74.2490, 0.2347,
0.2567

■ 1.0058, 0.0840,
0.1043

■ 97.5378, 0.2410,
0.2627

■ 0.0000, 0.0000,
0.0000

■ 125.2488, 0.2464,
0.2678

■ 157.7661, 0.2510,

0.2722

195.4744, 0.2551,
0.2760

■ 17.6266, 0.1936,
0.2169

■ 17.6266, 0.1936,
0.2169

■ 17.6184, 0.1936,
0.2168

■ 19.3211, 0.1990,
0.2293

■ 21.2361, 0.2061,
0.2418

■ 23.4199, 0.2152,
0.2545

■ 25.8969, 0.2262,
0.2669

■ 28.6878, 0.2387,
0.2790

■ 31.8110, 0.2525,
0.2906

■ 35.2833, 0.2671,
0.3014

■ 39.1201, 0.2823,
0.3115

■ 43.3356, 0.2976,
0.3207

Harmonies

Analogous

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



17.6266, 0.1788, 0.2490



17.6266, 0.1936, 0.2169



17.6266, 0.2364, 0.2128

Triad

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



17.6266, 0.1936, 0.2169



17.6266, 0.4478, 0.3232



17.6266, 0.3050, 0.4601

Complementary

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



17.6266, 0.1936, 0.2169



13.5324, 0.5880, 0.3712

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.



17.6266, 0.3791, 0.4701



17.6266, 0.1936, 0.2169



17.6266, 0.4671, 0.3802

Square

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



17.6266, 0.1936, 0.2169



17.6266, 0.3848, 0.2714



17.6266, 0.4393, 0.4346



17.6266, 0.2370, 0.3957

Rectangle

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



17.6266, 0.1936, 0.2169



17.6266, 0.2795, 0.2234



17.6266, 0.4393, 0.4346



17.6266, 0.3301, 0.4699

Sweetspot

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



17.6272, 0.1936, 0.2169



63.6130, 0.2663, 0.3009



34.5800, 0.2876, 0.5554



13.1321, 0.2601, 0.2964



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



17.6272, 0.1936, 0.2169



31.4909, 0.1930, 0.2148



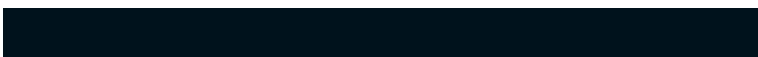
4.5935, 0.1548, 0.0771



9.6952, 0.2985, 0.3212



12.2800, 0.1940, 0.2184



0.5414, 0.2029, 0.2502

Inverse Universe

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



11.6196, 0.4266, 0.2124



21.0185, 0.4288, 0.2136



32.0846, 0.4558, 0.4762



9.1107, 0.3187, 0.3138



8.0220, 0.4250, 0.2115



0.2937, 0.3920, 0.1933

Previews

White Background



This preview shows how the Yxy color 17.6266, 0.1936, 0.2169 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 17.6266, 0.1936, 0.2169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

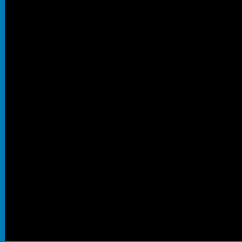
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6266, 0.1936, 0.2169

Background



This preview shows how black text looks on a background with the Yxy color 17.6266, 0.1936, 0.2169.

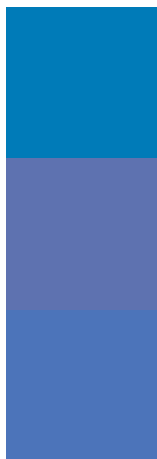


This preview shows how white text looks on a background with the Yxy color 17.6266, 0.1936, 0.2169.

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

17.6266, 0.1936, 0.2169

Protanopia

17.5489, 0.2323, 0.2207

Deuteranopia

17.5725, 0.2139, 0.2078

Trichromacy



Original Color

17.6266, 0.1936, 0.2169

Protanomaly

16.9379, 0.2088, 0.2162

Deuteranomaly

17.3248, 0.2015, 0.2106

Monochromacy



Original Color

17.6266, 0.1936, 0.2169

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.3368, 0.2368, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6266, 0.1936, 0.2169 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, 123, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 184)  
}
```

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, 123, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 184) }
```

Border

The CSS property to change the border of an element to Yxy 17.6266, 0.1936, 0.2169 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, 123, 184) }
```

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

```
.border{ border-color:rgb(0, 123, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 123, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
184) }
```

Background

The CSS property to change the background color of an element to Yxy 17.6266, 0.1936, 0.2169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 184) }
```

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

```
.background{ background-color: rgb(0, 123,  
184) }
```

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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