

Converting Colors

$Y_{xy}(12.9768, 0.1859, 0.1891)$

Have a look what the booklet for
Yxy(12.9768, 0.1859, 0.1891)
contains.

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Color

Yxy(13.0352, 0.1860, 0.1896)

Conversions

Conversions Part 1

Format	Color
Hex	0068B0
RGB	0, 104, 176
RGB Percent	0%, 41%, 69%
CMY	1.0000, 0.5922, 0.3097
CMYK	1.00, 0.41, 0.00, 0.31
HSL	205°, 100%, 35%
HSV	205°, 100%, 69%
XYZ	12.7877, 13.0352, 42.9282
YIQ	81.1120, -85.0960, 0.3440

Conversions

Conversions Part 2

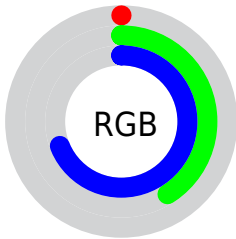
Format	Color
RYB	0, 65, 176
Decimal	26800
CIELab	42.82, 2.69, -45.25
CIELCh	43, 45.325, 273.399
Yxy	13.0352, 0.1860, 0.1896
Android (android.graphics.Color)	4278216880 (0xFF0068B0)
YUV	81.1120, 46.7798, -71.1352
Hunter-Lab	36.1043, 0.0400, -45.2231

Details

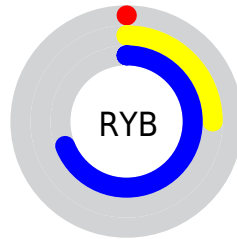
The Yxy color **13.0352, 0.1860, 0.1896** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.8707, 0.5665, 0.3884**, and the grayscale version is **8.1706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4930, 0.2141, 0.2204**, and **4.4562, 0.1762, 0.1543** is the 20% darker color. If you saturate the color by 10%, you get **13.0360, 0.1860, 0.1896**, and if you desaturate by 10%, it is **14.6732, 0.1924, 0.2048**.

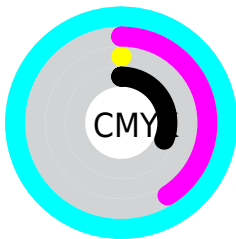
Distribution



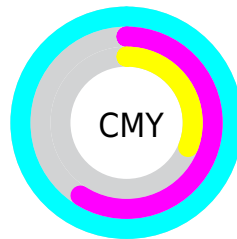
- Red (0%)
- Green (41%)
- Blue (69%)



- Red (0%)
- Yellow (25%)
- Blue (69%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (59%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0352, 0.1860, 0.1896 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 13.0352, 0.1860, 0.1896 by changing the saturation by 10% instead.

■ 13.0352, 0.1860,
0.1896

■ 13.0352, 0.1860,
0.1896

■ 211.1431, 0.2577,
0.2677

■ 7.4528, 0.1661,
0.1682

■ 31.3670, 0.2138,
0.2197

■ 3.7468, 0.1400,
0.1404

■ 44.8852, 0.2238,
0.2305

■ 1.5330, 0.1055,
0.1041

■ 61.8174, 0.2320,
0.2395

■ 0.3118, 0.0513,
0.0442

■ 82.5481, 0.2388,
0.2470

■ 0.0000, 0.0000,
0.0000

■ 107.4616, 0.2446,
0.2534

■ 136.9424, 0.2496,

0.2588

171.3747, 0.2539,
0.2636

■ 13.0352, 0.1860,
0.1896

■ 13.0352, 0.1860,
0.1896

■ 13.0360, 0.1860,
0.1896

■ 14.6732, 0.1924,
0.2048

■ 16.5487, 0.2006,
0.2204

■ 18.7084, 0.2109,
0.2361

■ 21.1756, 0.2230,
0.2517

■ 23.9703, 0.2366,
0.2669

■ 27.1100, 0.2512,
0.2813

■ 30.6112, 0.2665,
0.2949

■ 34.4888, 0.2820,
0.3074

■ 38.7567, 0.2975,
0.3187

Harmonies

Analogous

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



13.0352, 0.1566, 0.2116



13.0352, 0.1860, 0.1896



13.0352, 0.2480, 0.1969

Triad

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



13.0352, 0.1860, 0.1896



13.0352, 0.4959, 0.3437



13.0352, 0.2658, 0.4715

Complementary

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



13.0352, 0.1860, 0.1896



13.8707, 0.5665, 0.3884

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.



13.0352, 0.3545, 0.5090



13.0352, 0.1860, 0.1896



13.0352, 0.4922, 0.4110

Square

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



13.0352, 0.1860, 0.1896



13.0352, 0.4369, 0.2809



13.0352, 0.4372, 0.4749



13.0352, 0.1948, 0.3697

Rectangle

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



13.0352, 0.1860, 0.1896



13.0352, 0.3068, 0.2158



13.0352, 0.4372, 0.4749



13.0352, 0.2946, 0.4934

Sweetspot

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



13.0360, 0.1860, 0.1896



55.1524, 0.2657, 0.2942



31.5072, 0.2811, 0.5320



11.3725, 0.2593, 0.2887



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.



13.0360, 0.1860, 0.1896



23.1795, 0.1853, 0.1871



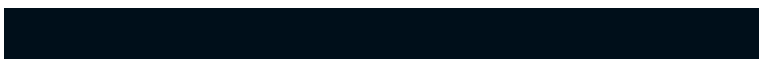
3.5553, 0.1520, 0.0671



9.0367, 0.2986, 0.3195



9.6793, 0.1865, 0.1912



0.4159, 0.1983, 0.2338

Inverse Universe

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



10.2323, 0.4572, 0.2292



18.5065, 0.4602, 0.2309



33.8304, 0.4380, 0.4905



8.5867, 0.3198, 0.3156



7.5173, 0.4554, 0.2282



0.2478, 0.4086, 0.2025

Previews

White Background



This preview shows how the Yxy color 13.0352, 0.1860, 0.1896 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 13.0352, 0.1860, 0.1896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

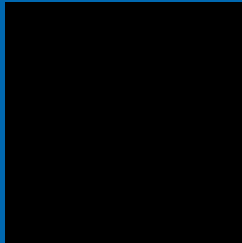
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0352, 0.1860, 0.1896

Background



This preview shows how black text looks on a background with the Yxy color 13.0352, 0.1860, 0.1896.



This preview shows how white text looks on a background with the Yxy color 13.0352, 0.1860, 0.1896.

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

13.0352, 0.1860, 0.1896

Protanopia

13.1660, 0.2114, 0.1941

Deuteranopia

13.0494, 0.1931, 0.1882



Tritanopia

12.9444, 0.2191, 0.3088

Trichromacy



Original Color

13.0352, 0.1860, 0.1896

Protanomaly

12.8824, 0.1968, 0.1909

Deuteranomaly

13.0293, 0.1893, 0.1888

Tritanomaly

12.8307, 0.2049, 0.2577

Monochromacy



Original Color

13.0352, 0.1860, 0.1896

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.1358, 0.2317, 0.2600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0352, 0.1860, 0.1896 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, 104, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 176)  
}
```

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, 104, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 176) }
```

Border

The CSS property to change the border of an element to Yxy 13.0352, 0.1860, 0.1896 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, 104, 176) }
```

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

```
.border{ border-color:rgb(0, 104, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0352, 0.1860, 0.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 176) }
```

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

```
.background{ background-color: rgb(0, 104,  
176) }
```

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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