

Converting Colors

$Yxy(15.3114, 0.1873, 0.1943)$

Have a look what the booklet for
Yxy(15.3114, 0.1873, 0.1943)
contains.

Yxy(15.3554, 0.1875, 0.1950)	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

$Y_{xy}(15.3554, 0.1875, 0.1950)$

Conversions

Conversions Part 1

Format	Color
Hex	0071BA
RGB	0, 113, 186
RGB Percent	0%, 44%, 73%
CMY	1.0000, 0.5568, 0.2707
CMYK	1.00, 0.39, 0.00, 0.27
HSL	204°, 100%, 36%
HSV	204°, 100%, 73%
XYZ	14.7648, 15.3554, 48.6254
YIQ	87.5350, -90.7810, -1.2530

Conversions

Conversions Part 2

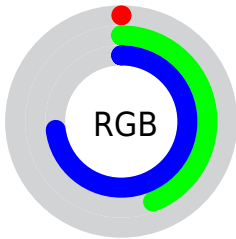
Format	Color
RYB	0, 70, 186
Decimal	29114
CIELab	46.12, 1.04, -45.77
CIELCh	46, 45.786, 271.296
Yxy	15.3554, 0.1875, 0.1950
Android (android.graphics.Color)	4278219194 (0xFF0071BA)
YUV	87.5350, 48.5432, -76.7682
Hunter-Lab	39.1860, -1.3188, -46.1421

Details

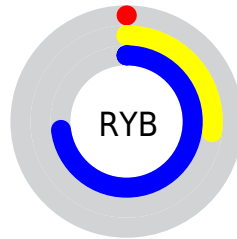
The Yxy color **15.3554, 0.1875, 0.1950** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **15.1964, 0.5719, 0.3841**, and the grayscale version is **9.5608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4017, 0.2139, 0.2222**, and **5.5624, 0.1784, 0.1624** is the 20% darker color. If you saturate the color by 10%, you get **15.3563, 0.1875, 0.1950**, and if you desaturate by 10%, it is **17.1850, 0.1936, 0.2096**.

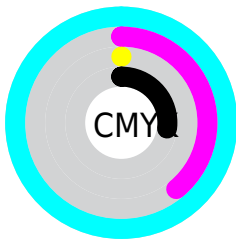
Distribution



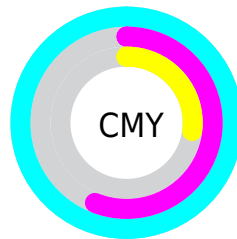
- Red (0%)
- Green (44%)
- Blue (73%)



- Red (0%)
- Yellow (27%)
- Blue (73%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (56%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3554, 0.1875, 0.1950 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 15.3554, 0.1875, 0.1950 by changing the saturation by 10% instead.


 15.3554, 0.1875,
0.1950


 15.3554, 0.1875,
0.1950


 225.5074, 0.2568,
0.2689


 9.0692, 0.1688,
0.1752


 35.4755, 0.2139,
0.2231


 4.7863, 0.1446,
0.1496

 50.0781, 0.2235,
0.2333

 2.1225, 0.1129,
0.1162

 68.2217, 0.2315,
0.2418

 0.6772, 0.0713,
0.0721

 90.2906, 0.2382,
0.2490

 0.0000, 0.0000,
0.0000

 116.6692, 0.2439,
0.2551

 147.7420, 0.2488,

0.2603

183.8932, 0.2530,
0.2649

■ 15.3554, 0.1875,
0.1950

■ 15.3554, 0.1875,
0.1950

■ 15.3563, 0.1875,
0.1950

■ 17.1850, 0.1936,
0.2096

■ 19.2757, 0.2016,
0.2246

■ 21.6785, 0.2116,
0.2397

■ 24.4195, 0.2234,
0.2547

■ 27.5214, 0.2368,
0.2693

■ 31.0040, 0.2513,
0.2832

■ 34.8856, 0.2664,
0.2962

■ 39.1830, 0.2820,
0.3082

■ 43.9119, 0.2975,
0.3191

Harmonies

Analogous

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



15.3554, 0.1610, 0.2190



15.3554, 0.1875, 0.1950



15.3554, 0.2455, 0.2001

Triad

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



15.3554, 0.1875, 0.1950



15.3554, 0.4861, 0.3397



15.3554, 0.2740, 0.4695

Complementary

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



15.3554, 0.1875, 0.1950



15.1964, 0.5719, 0.3841

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.



15.3554, 0.3600, 0.5007



15.3554, 0.1875, 0.1950



15.3554, 0.4876, 0.4048

Square

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



15.3554, 0.1875, 0.1950



15.3554, 0.4258, 0.2790



15.3554, 0.4382, 0.4664



15.3554, 0.2034, 0.3756

Rectangle

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



15.3554, 0.1875, 0.1950



15.3554, 0.3009, 0.2174



15.3554, 0.4382, 0.4664



15.3554, 0.3022, 0.4886

Sweetspot

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



15.3563, 0.1875, 0.1950



62.8845, 0.2657, 0.2955



35.5657, 0.2827, 0.5376



13.1750, 0.2592, 0.2901



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.3563, 0.1875, 0.1950



27.3572, 0.1869, 0.1927



4.1064, 0.1524, 0.0684



9.6030, 0.2985, 0.3198



10.4835, 0.1880, 0.1969



0.4864, 0.1986, 0.2348

Inverse Universe

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



11.6283, 0.4510, 0.2258



21.0345, 0.4536, 0.2273



37.0862, 0.4414, 0.4877



9.1014, 0.3196, 0.3152



7.8407, 0.4488, 0.2246



0.2882, 0.4077, 0.2019

Previews

White Background



This preview shows how the Yxy color 15.3554, 0.1875, 0.1950 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 15.3554, 0.1875, 0.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

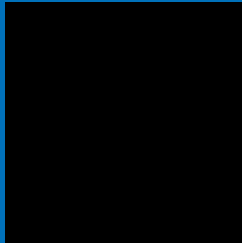
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3554, 0.1875, 0.1950

Background



This preview shows how black text looks on a background with the Yxy color 15.3554, 0.1875, 0.1950.



This preview shows how white text looks on a background with the Yxy color 15.3554, 0.1875, 0.1950.

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

15.3554, 0.1875, 0.1950

Protanopia

15.4729, 0.2158, 0.1997

Deuteranopia

15.4178, 0.1972, 0.1917



Tritanopia

15.2865, 0.2189, 0.3079

Trichromacy



Original Color

15.3554, 0.1875, 0.1950

Protanomaly

14.9928, 0.1989, 0.1958

Deuteranomaly

15.2638, 0.1914, 0.1916

Tritanomaly

15.1589, 0.2056, 0.2601

Monochromacy



Original Color

15.3554, 0.1875, 0.1950

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.8454, 0.2325, 0.2642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3554, 0.1875, 0.1950 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 186) }
```

Border

The CSS property to change the border of an element to Yxy 15.3554, 0.1875, 0.1950 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, 186) }
```

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

```
.border{ border-color:rgb(0, 113, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3554, 0.1875, 0.1950 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, 186) }
```

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

```
.background{ background-color: rgb(0, 113,  
186) }
```

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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