

Converting Colors

$Y_{xy}(18.4791, 0.2337, 0.1787)$

Have a look what the booklet for
Yxy(18.4791, 0.2337, 0.1787)
contains.

Yxy(18.4944, 0.2335, 0.1790)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.4944, 0.2335, 0.1790)

Conversions

Conversions Part 1

Format	Color
Hex	7A68CE
RGB	122, 104, 206
RGB Percent	48%, 41%, 81%
CMY	0.5213, 0.5923, 0.1921
CMYK	0.41, 0.50, 0.00, 0.19
HSL	251°, 51%, 61%
HSV	251°, 50%, 81%
XYZ	24.1254, 18.4944, 60.7009
YIQ	121.0100, -22.0140, 35.5380

Conversions

Conversions Part 2

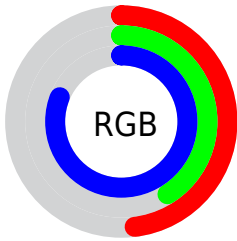
Format	Color
R _{YB}	122, 104, 206
Decimal	8022222
CIE _{Lab}	50.09, 31.71, -50.66
CIE _{LCh}	50, 59.760, 302.044
Y _{xy}	18.4944, 0.2335, 0.1790
Android (android.graphics.Color)	4286212302 (0xFF7A68CE)
YUV	121.0100, 41.9001, 0.8682
Hunter-Lab	43.0051, 24.8775, -53.5831

Details

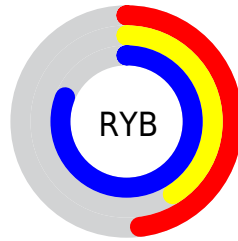
The Yxy color **18.4944, 0.2335, 0.1790** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **55.8308, 0.3694, 0.4554**, and the grayscale version is **18.9937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1277, 0.2559, 0.2134**, and **6.2210, 0.2034, 0.1368** is the 20% darker color. If you saturate the color by 10%, you get **13.7113, 0.2143, 0.1462**, and if you desaturate by 10%, it is **24.5075, 0.2524, 0.2128**.

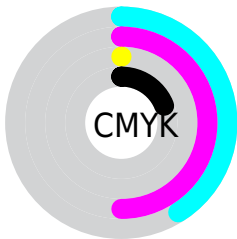
Distribution



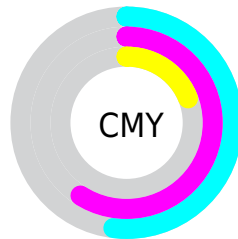
- Red (48%)
- Green (41%)
- Blue (81%)



- Red (48%)
- Yellow (41%)
- Blue (81%)



- Cyan (41%)
- Magenta (50%)
- Yellow (0%)
- Black (19%)




- Cyan (52%)
- Magenta (59%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4944, 0.2335, 0.1790 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 18.4944, 0.2335, 0.1790 by changing the saturation by 10% instead.


 18.4944, 0.2335,
0.1790


 18.4944, 0.2335,
0.1790


243.6432, 0.2785,
0.2552


 11.3055, 0.2209,
0.1606


 40.8780, 0.2510,
0.2065


 6.2727, 0.2041,
0.1377


 56.8415, 0.2572,
0.2169

 3.0116, 0.1811,
0.1092

 76.4986, 0.2624,
0.2258

 1.1378, 0.1487,
0.0743

 100.2339, 0.2667,
0.2334

 0.0100, 0.1066,
0.0014

128.4315, 0.2703,
0.2399

 0.0000, 0.0000,
0.0000

161.4760, 0.2735,

0.2457

199.7518, 0.2762,
0.2507

■ 18.4944, 0.2335,
0.1790

■ 18.4944, 0.2335,
0.1790

■ 13.7113, 0.2143,
0.1462

■ 24.5075, 0.2524,
0.2128

■ 10.0698, 0.1960,
0.1165

■ 31.8266, 0.2702,
0.2457

■ 7.4731, 0.1798,
0.0921

■ 40.5236, 0.2864,
0.2766

■ 5.8064, 0.1670,
0.0748

■ 50.6648, 0.3007,
0.3049

■ 4.8774, 0.1579,
0.0646

■ 62.3122, 0.3133,
0.3301

■ 4.8418, 0.1576,
0.0642

■ 75.5239, 0.3240,
0.3525

■ 90.3552, 0.3333,
0.3720

■ 97.2370, 0.3418,
0.3770

Harmonies

Analogous

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



18.4944, 0.1668, 0.1716



18.4944, 0.2335, 0.1790



18.4944, 0.3376, 0.2133

Triad

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



18.4944, 0.2335, 0.1790



18.4944, 0.5187, 0.4119



18.4944, 0.1791, 0.3816

Complementary

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



18.4944, 0.2335, 0.1790



55.8308, 0.3694, 0.4554

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.



18.4944, 0.2595, 0.5048



18.4944, 0.2335, 0.1790



18.4944, 0.4541, 0.4886

Square

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



18.4944, 0.2335, 0.1790



18.4944, 0.5242, 0.3376



18.4944, 0.3599, 0.5395



18.4944, 0.1389, 0.2630

Rectangle

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



18.4944, 0.2335, 0.1790



18.4944, 0.4167, 0.2489



18.4944, 0.3599, 0.5395



18.4944, 0.2019, 0.4271

Sweetspot

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



18.4950, 0.2335, 0.1790



72.4897, 0.2929, 0.2892



43.7978, 0.2436, 0.3045



14.7842, 0.2897, 0.2831



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



18.4950, 0.2335, 0.1790



22.0754, 0.2139, 0.1455



23.1233, 0.2821, 0.1970



10.9380, 0.3009, 0.3052



3.0110, 0.1585, 0.0647



0.1853, 0.1761, 0.0744

Inverse Universe

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



26.6470, 0.3382, 0.2283



36.8910, 0.3450, 0.2111



50.5518, 0.3288, 0.4742



11.3683, 0.3164, 0.3101



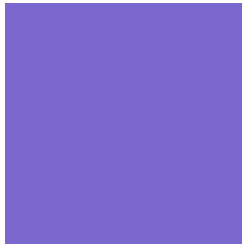
9.8677, 0.3711, 0.1818



0.5182, 0.3596, 0.1755

Previews

White Background



This preview shows how the Yxy color 18.4944, 0.2335, 0.1790 looks on a white background.

Color Contrast Check

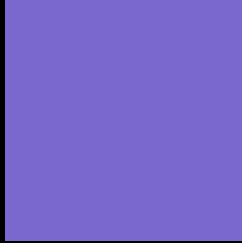
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.4944, 0.2335, 0.1790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

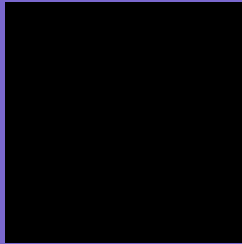
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4944, 0.2335, 0.1790

Background



This preview shows how black text looks on a background with the Yxy color 18.4944, 0.2335, 0.1790.



This preview shows how white text looks on a background with the Yxy color 18.4944, 0.2335, 0.1790.

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

18.4944, 0.2335, 0.1790

Protanopia

18.7817, 0.1954, 0.1725

Deuteranopia

18.6270, 0.1992, 0.1935



Tritanopia

18.5281, 0.2811, 0.3094

Trichromacy



Original Color

18.4944, 0.2335, 0.1790

Protanomaly

18.5181, 0.2061, 0.1739

Deuteranomaly

18.1403, 0.2083, 0.1863

Tritanomaly

18.1442, 0.2617, 0.2506

Monochromacy



Original Color

18.4944, 0.2335, 0.1790

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.5934, 0.2791, 0.2636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4944, 0.2335, 0.1790 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(122, 104, 206)` looks like.

```
.text, #text, p{  
    color:rgb(122, 104, 206)  
}
```

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(122, 104, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 104, 206) }
```

Border

The CSS property to change the border of an element to Yxy 18.4944, 0.2335, 0.1790 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(122, 104, 206) }
```

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

```
.border{ border-color:rgb(122, 104, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 104, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 104, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 104, 206);  
box-shadow:4px 4px 4px 4px rgb(122, 104,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4944, 0.2335, 0.1790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 104, 206) }
```

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

```
.background{ background-color: rgb(122,  
104, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor