

Converting Colors

$Y_{xy}(14.5415, 0.2433, 0.1838)$

Have a look what the booklet for
Yxy(14.5415, 0.2433, 0.1838)
contains.

Yxy(14.5314, 0.2431, 0.1832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.5314, 0.2431, 0.1832)

Conversions

Conversions Part 1

Format	Color
Hex	745BB5
RGB	116, 91, 181
RGB Percent	45%, 36%, 71%
CMY	0.5451, 0.6431, 0.2902
CMYK	0.36, 0.50, 0.00, 0.29
HSL	257°, 38%, 53%
HSV	257°, 50%, 71%
XYZ	19.2827, 14.5314, 45.5058
YIQ	108.7350, -13.9900, 33.2900

Conversions

Conversions Part 2

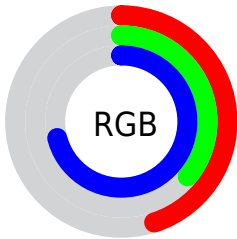
Format	Color
R_{YB}	116, 91, 181
Decimal	7625653
CIE _{Lab}	44.99, 30.93, -44.38
CIE _{LCh}	45, 54.096, 304.869
Yxy	14.5314, 0.2431, 0.1832
Android (android.graphics.Color)	4285815733 (0xFF745BB5)
YUV	108.7350, 35.6266, 6.3714
Hunter-Lab	38.1201, 23.5823, -44.0933

Details

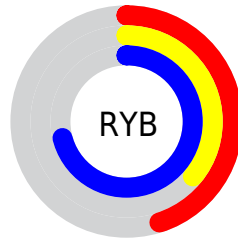
The Yxy color **14.5314, 0.2431, 0.1832** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **40.8746, 0.3606, 0.4588**, and the grayscale version is **15.1145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1184, 0.2603, 0.2127**, and **4.3904, 0.2136, 0.1383** is the 20% darker color. If you saturate the color by 10%, you get **10.9675, 0.2256, 0.1518**, and if you desaturate by 10%, it is **18.9688, 0.2600, 0.2155**.

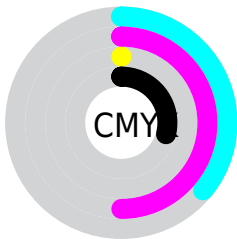
Distribution



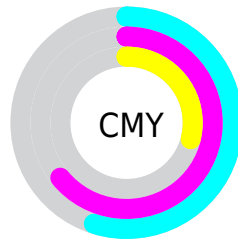
- Red (45%)
- Green (36%)
- Blue (71%)



- Red (45%)
- Yellow (36%)
- Blue (71%)



- Cyan (36%)
- Magenta (50%)
- Yellow (0%)
- Black (29%)





- Cyan (55%)
- Magenta (64%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5314, 0.2431, 0.1832 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 14.5314, 0.2431, 0.1832 by changing the saturation by 10% instead.


 14.5314, 0.2431,
0.1832


 14.5314, 0.2431,
0.1832


220.5121, 0.2846,
0.2605


 8.4912, 0.2305,
0.1634


 34.0290, 0.2599,
0.2119


 4.4108, 0.2130,
0.1381


 48.2552, 0.2657,
0.2226

 1.9059, 0.1877,
0.1057

 65.9788, 0.2703,
0.2315

 0.5519, 0.1506,
0.0611

 87.5842, 0.2742,
0.2391

 0.0000, 0.0617,
0.0000

 113.4558, 0.2775,
0.2456

 0.0000, 0.0000,
0.0000

143.9781, 0.2802,

0.2512

179.5354, 0.2826,
0.2562

■ 14.5314, 0.2431,
0.1832

■ 14.5314, 0.2431,
0.1832

■ 10.9675, 0.2256,
0.1518

■ 18.9688, 0.2600,
0.2155

■ 8.2158, 0.2084,
0.1232

■ 24.3321, 0.2756,
0.2471

■ 6.2090, 0.1925,
0.0993


■ 30.6715, 0.2897,
0.2771


■ 4.8682, 0.1788,
0.0816

■ 38.0331, 0.3022,
0.3047


■ 4.0409, 0.1679,
0.0700

■ 46.4599, 0.3130,
0.3297

 4.0205, 0.1676,
0.0697

 55.9925, 0.3223,
0.3520

 66.6693, 0.3302,
0.3717

 78.5270, 0.3369,
0.3891

 91.6003, 0.3425,
0.4044

Harmonies

Analogous

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



14.5314, 0.1735, 0.1733



14.5314, 0.2431, 0.1832



14.5314, 0.3482, 0.2195

Triad

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



14.5314, 0.2431, 0.1832



14.5314, 0.5117, 0.4187



14.5314, 0.1759, 0.3683

Complementary

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



14.5314, 0.2431, 0.1832



40.8746, 0.3606, 0.4588

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.



14.5314, 0.2520, 0.4922



14.5314, 0.2431, 0.1832



14.5314, 0.4446, 0.4932

Square

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



14.5314, 0.2431, 0.1832



14.5314, 0.5232, 0.3447



14.5314, 0.3505, 0.5368



14.5314, 0.1397, 0.2560

Rectangle

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



14.5314, 0.2431, 0.1832



14.5314, 0.4254, 0.2558



14.5314, 0.3505, 0.5368



14.5314, 0.1971, 0.4127

Sweetspot

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



14.5319, 0.2431, 0.1832



60.5920, 0.2955, 0.2897



29.6762, 0.2410, 0.2894



12.5186, 0.2929, 0.2839



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



14.5319, 0.2431, 0.1832



18.9312, 0.2234, 0.1479



18.2938, 0.2930, 0.2016



8.3405, 0.3027, 0.3058



2.8020, 0.1687, 0.0703



0.1180, 0.2005, 0.0878

Inverse Universe

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



19.7087, 0.3501, 0.2396



29.5353, 0.3620, 0.2226



37.2495, 0.3213, 0.4769



8.6057, 0.3178, 0.3127



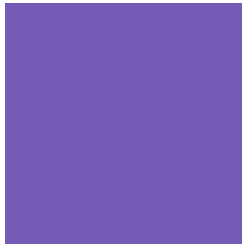
7.9097, 0.4048, 0.2004



0.2582, 0.3766, 0.1848

Previews

White Background



This preview shows how the Yxy color 14.5314, 0.2431, 0.1832 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 14.5314, 0.2431, 0.1832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

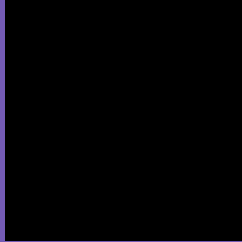
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5314, 0.2431, 0.1832

Background



This preview shows how black text looks on a background with the Yxy color 14.5314, 0.2431, 0.1832.



This preview shows how white text looks on a background with the Yxy color 14.5314, 0.2431, 0.1832.

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

14.5314, 0.2431, 0.1832

Protanopia

14.7750, 0.1977, 0.1764

Deuteranopia

14.6195, 0.2048, 0.1996



Tritanopia

14.5780, 0.2961, 0.3121

Trichromacy



Original Color

14.5314, 0.2431, 0.1832

Protanomaly

14.3916, 0.2100, 0.1765

Deuteranomaly

14.2272, 0.2155, 0.1916

Tritanomaly

14.2972, 0.2744, 0.2551

Monochromacy



Original Color

14.5314, 0.2431, 0.1832

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.6968, 0.2852, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5314, 0.2431, 0.1832 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(116, 91, 181)` looks like.

```
.text, #text, p{  
    color:rgb(116, 91, 181)  
}
```

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(116, 91, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 91, 181) }
```

Border

The CSS property to change the border of an element to Yxy 14.5314, 0.2431, 0.1832 is called "border". The border property can be set on classes, ids or directly on the HTML element.

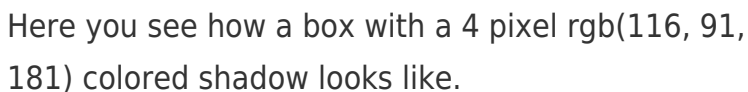
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 91, 181) }
```

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

```
.border{ border-color:rgb(116, 91, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 91, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 91, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 91, 181); box-shadow:4px 4px 4px 4px rgb(116, 91, 181) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5314, 0.2431, 0.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 91, 181) }
```

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

```
.background{ background-color: rgb(116, 91,  
181) }
```

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