

Converting Colors

$Y_{xy}(24.5453, 0.2236, 0.1817)$

Have a look what the booklet for
Yxy(24.5453, 0.2236, 0.1817)
contains.

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Color

Yxy(24.5836, 0.2238, 0.1820)

Conversions

Conversions Part 1

Format	Color
Hex	7C7CE9
RGB	124, 124, 233
RGB Percent	49%, 49%, 91%
CMY	0.5137, 0.5137, 0.0862
CMYK	0.47, 0.47, 0.00, 0.09
HSL	240°, 71%, 70%
HSV	240°, 47%, 91%
XYZ	30.2297, 24.5836, 80.2614
YIQ	136.4260, -34.9890, 33.8990

Conversions

Conversions Part 2

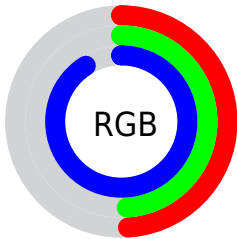
Format	Color
RYB	124, 124, 233
Decimal	8158441
CIELab	56.67, 28.08, -55.38
CIELCh	57, 62.090, 296.886
Yxy	24.5836, 0.2238, 0.1820
Android (android.graphics.Color)	4286348521 (0xFF7C7CE9)
YUV	136.4260, 47.6110, -10.8976
Hunter-Lab	49.5819, 22.0620, -61.2693

Details

The Yxy color **24.5836, 0.2238, 0.1820** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **77.0739, 0.3818, 0.4432**, and the grayscale version is **24.6165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6094, 0.2616, 0.2396**, and **9.3303, 0.1953, 0.1442** is the 20% darker color. If you saturate the color by 10%, you get **17.8823, 0.2025, 0.1468**, and if you desaturate by 10%, it is **33.0764, 0.2454, 0.2178**.

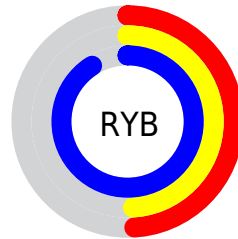
Distribution



Red (49%)

Green (49%)

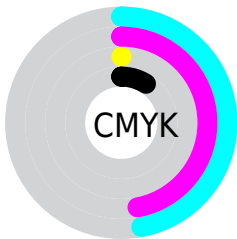
Blue (91%)



Red (49%)

Yellow (49%)

Blue (91%)

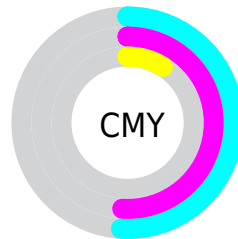


Cyan (47%)

Magenta (47%)

Yellow (0%)

Black (9%)



Cyan (51%)


Magenta (51%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5836, 0.2238, 0.1820 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 24.5836, 0.2238, 0.1820 by changing the saturation by 10% instead.


 24.5836, 0.2238,
0.1820


 24.5836, 0.2238,
0.1820


275.7578, 0.2715,
0.2539

 15.7671, 0.2115,
0.1654


 50.9809, 0.2416,
0.2073

 9.3595, 0.1957,
0.1451


 69.3305, 0.2481,
0.2171

 4.9764, 0.1750,
0.1202


 91.6265, 0.2536,
0.2254

 2.2334, 0.1473,
0.0898

118.2535, 0.2583,
0.2327

 0.7381, 0.1103,
0.0538

149.5957, 0.2623,
0.2390

 0.0000, 0.0507,
0.0000

186.0375, 0.2658,

 0.0000, 0.0000,

0.2446

0.0000

227.9635, 0.2688,
0.2495

■ 24.5836, 0.2238,
0.1820

■ 24.5836, 0.2238,
0.1820

■ 17.8823, 0.2025,
0.1468

■ 33.0764, 0.2454,
0.2178

■ 12.8419, 0.1832,
0.1148

■ 43.4738, 0.2662,
0.2521

■ 9.3184, 0.1675,
0.0889

■ 55.8824, 0.2853,
0.2836

■ 7.1417, 0.1567,
0.0710

■ 70.4003, 0.3023,
0.3118

■ 6.0955, 0.1512,
0.0619

■ 87.1192, 0.3173,
0.3366

■ 5.8848, 0.1500,
0.0600

■ 98.6647, 0.3256,
0.3503

Harmonies

Analogous

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



24.5836, 0.1656, 0.1800



24.5836, 0.2238, 0.1820



24.5836, 0.3178, 0.2109

Triad

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



24.5836, 0.2238, 0.1820



24.5836, 0.5151, 0.3981



24.5836, 0.1967, 0.4010

Complementary

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



24.5836, 0.2238, 0.1820



77.0739, 0.3818, 0.4432

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.



24.5836, 0.2793, 0.5067



24.5836, 0.2238, 0.1820



24.5836, 0.4626, 0.4713

Square

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



24.5836, 0.2238, 0.1820



24.5836, 0.5066, 0.3271



24.5836, 0.3762, 0.5246



24.5836, 0.1503, 0.2835

Rectangle

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



24.5836, 0.2238, 0.1820



24.5836, 0.3924, 0.2431



24.5836, 0.3762, 0.5246



24.5836, 0.2209, 0.4423

Sweetspot

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



24.5844, 0.2238, 0.1820



73.1468, 0.2901, 0.2917



68.3585, 0.2514, 0.3311



14.8710, 0.2863, 0.2853



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.



24.5844, 0.2238, 0.1820



22.3112, 0.2036, 0.1486



29.6101, 0.2660, 0.1970



14.5490, 0.2980, 0.3046



3.3384, 0.1500, 0.0600



0.2622, 0.1500, 0.0600

Inverse Universe

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



33.1975, 0.4411, 0.3294



34.0669, 0.4835, 0.3295



69.4903, 0.3424, 0.4604



15.0541, 0.3293, 0.3290



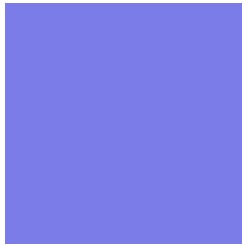
9.8298, 0.6401, 0.3300



0.7719, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 24.5836, 0.2238, 0.1820 looks on a white background.

Color Contrast Check

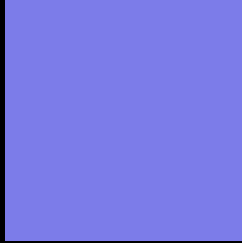
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5836, 0.2238, 0.1820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

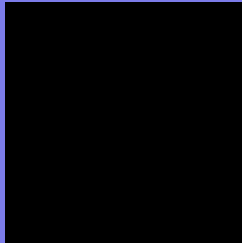
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5836, 0.2238, 0.1820

Background



This preview shows how black text looks on a background with the Yxy color 24.5836, 0.2238, 0.1820.



This preview shows how white text looks on a background with the Yxy color 24.5836, 0.2238, 0.1820.

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

24.5836, 0.2238, 0.1820

Protanopia

24.7847, 0.2003, 0.1781

Deuteranopia

24.8334, 0.1989, 0.1929



Tritanopia

24.5039, 0.2634, 0.3075

Trichromacy



Original Color

24.5836, 0.2238, 0.1820

Protanomaly

24.5262, 0.2074, 0.1789

Deuteranomaly

24.3468, 0.2055, 0.1874

Tritanomaly

24.0618, 0.2465, 0.2509

Monochromacy



Original Color

24.5836, 0.2238, 0.1820

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3483, 0.2749, 0.2665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5836, 0.2238, 0.1820 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(124, 124, 233)` looks like.

```
.text, #text, p{  
    color:rgb(124, 124, 233)  
}
```

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(124, 124, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 124, 233) }
```

Border

The CSS property to change the border of an element to Yxy 24.5836, 0.2238, 0.1820 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(124, 124, 233) }
```

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

```
.border{ border-color:rgb(124, 124, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 124, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 124, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 124, 233);  
box-shadow:4px 4px 4px 4px rgb(124, 124,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5836, 0.2238, 0.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 124, 233) }
```

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

```
.background{ background-color: rgb(124,  
124, 233) }
```

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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