

Converting Colors

$Y_{xy}(24.7758, 0.2337, 0.1800)$

Have a look what the booklet for
Yxy(24.7758, 0.2337, 0.1800)
contains.

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Color

Yxy(24.8624, 0.2334, 0.1801)

Conversions

Conversions Part 1

Format	Color
Hex	8B78EA
RGB	139, 120, 234
RGB Percent	55%, 47%, 92%
CMY	0.4548, 0.5295, 0.0822
CMYK	0.41, 0.49, 0.00, 0.08
HSL	250°, 73%, 69%
HSV	250°, 49%, 92%
XYZ	32.2203, 24.8624, 80.9650
YIQ	138.6770, -25.2700, 39.4820

Conversions

Conversions Part 2

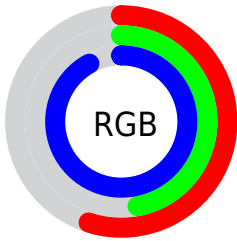
Format	Color
R _Y B	139, 120, 234
Decimal	9140458
CIE Lab	56.94, 34.23, -55.43
CIE LCh	57, 65.150, 301.696
Yxy	24.8624, 0.2334, 0.1801
Android (android.graphics.Color)	4287330538 (0xFF8B78EA)
YUV	138.6770, 46.9942, 0.2833
Hunter-Lab	49.8622, 28.0856, -61.3701

Details

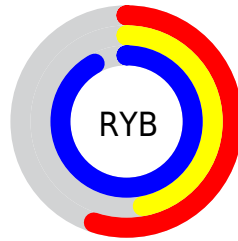
The Yxy color **24.8624, 0.2334, 0.1801** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **74.6661, 0.3699, 0.4539**, and the grayscale version is **25.5127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8429, 0.2711, 0.2374**, and **9.4746, 0.2076, 0.1439** is the 20% darker color. If you saturate the color by 10%, you get **18.3743, 0.2139, 0.1468**, and if you desaturate by 10%, it is **33.0269, 0.2526, 0.2142**.

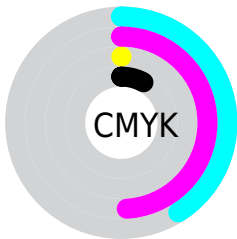
Distribution



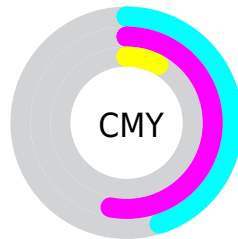
- Red (55%)
- Green (47%)
- Blue (92%)



- Red (55%)
- Yellow (47%)
- Blue (92%)



- Cyan (41%)
- Magenta (49%)
- Yellow (0%)
- Black (8%)




- Cyan (45%)
- Magenta (53%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8624, 0.2334, 0.1801 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 24.8624, 0.2334, 0.1801 by changing the saturation by 10% instead.


 24.8624, 0.2334,
0.1801


 24.8624, 0.2334,
0.1801


277.1520, 0.2765,
0.2522


 15.9746, 0.2221,
0.1636


 51.4339, 0.2496,
0.2053

 9.5062, 0.2075,
0.1435


 69.8864, 0.2555,
0.2151

 5.0728, 0.1882,
0.1190


 92.2958, 0.2605,
0.2235

 2.2900, 0.1620,
0.0891

119.0467, 0.2647,
0.2308

 0.7684, 0.1261,
0.0540

150.5234, 0.2683,
0.2372

 0.0000, 0.0744,
0.0000

187.1102, 0.2714,

 0.0000, 0.0000,

0.2428

0.0000

229.1916, 0.2741,
0.2478

■ 24.8624, 0.2334,
0.1801

■ 24.8624, 0.2334,
0.1801

■ 18.3743, 0.2139,
0.1468

■ 33.0269, 0.2526,
0.2142

■ 13.4421, 0.1953,
0.1167

■ 42.9716, 0.2707,
0.2475

■ 9.9331, 0.1790,
0.0919

■ 54.7950, 0.2871,
0.2785

■ 7.6908, 0.1661,
0.0745

■ 68.5875, 0.3016,
0.3068

■ 6.4892, 0.1573,
0.0645

■ 84.4336, 0.3142,
0.3320

■ 6.3746, 0.1564,
0.0635

■ 98.7223, 0.3250,
0.3493

Harmonies

Analogous

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



24.8624, 0.1676, 0.1731



24.8624, 0.2334, 0.1801



24.8624, 0.3361, 0.2139

Triad

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



24.8624, 0.2334, 0.1801



24.8624, 0.5172, 0.4108



24.8624, 0.1813, 0.3826

Complementary

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



24.8624, 0.2334, 0.1801



74.6661, 0.3699, 0.4539

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.



24.8624, 0.2614, 0.5033



24.8624, 0.2334, 0.1801



24.8624, 0.4540, 0.4866

Square

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



24.8624, 0.2334, 0.1801



24.8624, 0.5215, 0.3371



24.8624, 0.3610, 0.5368



24.8624, 0.1408, 0.2650

Rectangle

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



24.8624, 0.2334, 0.1801



24.8624, 0.4142, 0.2491



24.8624, 0.3610, 0.5368



24.8624, 0.2041, 0.4274

Sweetspot

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



24.8633, 0.2334, 0.1801



72.4259, 0.2926, 0.2892



58.5475, 0.2441, 0.3047



14.7691, 0.2894, 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.



24.8633, 0.2334, 0.1801



22.6439, 0.2148, 0.1483



31.1108, 0.2825, 0.1982



14.6697, 0.3006, 0.3048



3.6174, 0.1574, 0.0641



0.3198, 0.1689, 0.0704

Inverse Universe

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



35.8345, 0.3367, 0.2280



37.5275, 0.3427, 0.2114



67.4882, 0.3287, 0.4728



15.2681, 0.3163, 0.3096



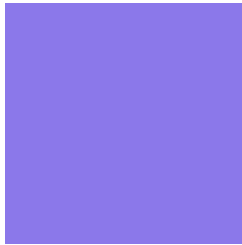
12.0590, 0.3681, 0.1801



0.9584, 0.3605, 0.1759

Previews

White Background



This preview shows how the Yxy color 24.8624, 0.2334, 0.1801 looks on a white background.

Color Contrast Check

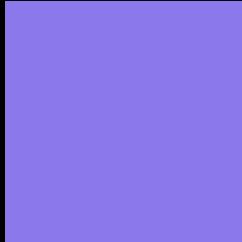
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8624, 0.2334, 0.1801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

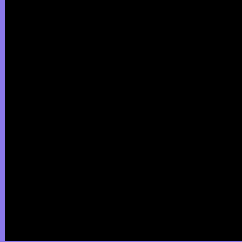
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8624, 0.2334, 0.1801

Background



This preview shows how black text looks on a background with the Yxy color 24.8624, 0.2334, 0.1801.



This preview shows how white text looks on a background with the Yxy color 24.8624, 0.2334, 0.1801.

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

24.8624, 0.2334, 0.1801

Protanopia

25.2398, 0.1968, 0.1739

Deuteranopia

25.2297, 0.2004, 0.1947



Tritanopia

24.9125, 0.2808, 0.3099

Trichromacy



Original Color

24.8624, 0.2334, 0.1801

Protanomaly

24.6739, 0.2071, 0.1748

Deuteranomaly

24.4889, 0.2093, 0.1873

Tritanomaly

24.5469, 0.2612, 0.2531

Monochromacy



Original Color

24.8624, 0.2334, 0.1801

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.0475, 0.2792, 0.2635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8624, 0.2334, 0.1801 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(139, 120, 234)` looks like.

```
.text, #text, p{  
    color:rgb(139, 120, 234)  
}
```

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(139, 120, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 120, 234) }
```

Border

The CSS property to change the border of an element to Yxy 24.8624, 0.2334, 0.1801 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(139, 120, 234) }
```

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

```
.border{ border-color:rgb(139, 120, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 120, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 120, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 120, 234); box-shadow:4px 4px 4px 4px rgb(139, 120, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8624, 0.2334, 0.1801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 120, 234) }
```

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

```
.background{ background-color: rgb(139,  
120, 234) }
```

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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