

Converting Colors

$Y_{xy}(24.8260, 0.2315, 0.1752)$

Have a look what the booklet for
Yxy(24.8260, 0.2315, 0.1752)
contains.

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Color

Yxy(24.7054, 0.2315, 0.1748)

Conversions

Conversions Part 1

Format	Color
Hex	8C76EE
RGB	140, 118, 238
RGB Percent	55%, 46%, 93%
CMY	0.4511, 0.5372, 0.0668
CMYK	0.41, 0.50, 0.00, 0.07
HSL	251°, 78%, 70%
HSV	251°, 50%, 93%
XYZ	32.7191, 24.7054, 83.9107
YIQ	138.2580, -25.4080, 41.9840

Conversions

Conversions Part 2

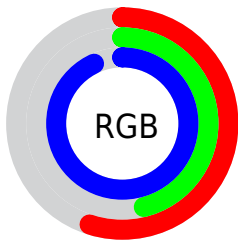
Format	Color
R_{YB}	140, 118, 238
Decimal	9205486
CIE _{Lab}	56.79, 36.68, -57.87
CIE _{LCh}	57, 68.517, 302.371
Y _{xy}	24.7054, 0.2315, 0.1748
Android (android.graphics.Color)	4287395566 (0xFF8C76EE)
Y _{UV}	138.2580, 49.1728, 1.5277
Hunter-Lab	49.7045, 30.5187, -65.2997

Details

The Yxy color **24.7054, 0.2315, 0.1748** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **77.0427, 0.3701, 0.4587**, and the grayscale version is **25.3355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3516, 0.2724, 0.2356**, and **9.4314, 0.2056, 0.1382** is the 20% darker color. If you saturate the color by 10%, you get **18.2478, 0.2123, 0.1420**, and if you desaturate by 10%, it is **32.8767, 0.2506, 0.2088**.

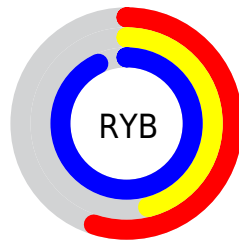
Distribution



Red (55%)

Green (46%)

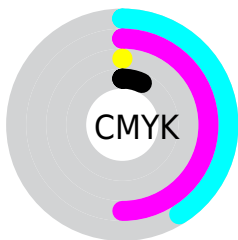
Blue (93%)



Red (55%)

Yellow (46%)

Blue (93%)

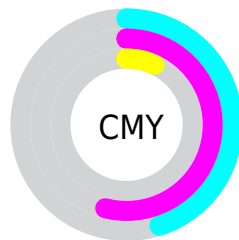


Cyan (41%)

Magenta (50%)

Yellow (0%)

Black (7%)



Cyan (45%)


Magenta (54%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7054, 0.2315, 0.1748 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 24.7054, 0.2315, 0.1748 by changing the saturation by 10% instead.

 24.7054, 0.2315,
0.1748


 24.7054, 0.2315,
0.1748


276.3676, 0.2756,
0.2489


 15.8577, 0.2200,
0.1581


 51.1789, 0.2480,
0.2006

 9.4235, 0.2052,
0.1378


 69.5735, 0.2541,
0.2106

 5.0184, 0.1856,
0.1133


 91.9192, 0.2592,
0.2192

 2.2581, 0.1593,
0.0839

118.6003, 0.2635,
0.2267

 0.7514, 0.1236,
0.0498

150.0013, 0.2672,
0.2333

 0.0000, 0.0743,
0.0000

186.5066, 0.2704,

 0.0000, 0.0000,

0.2391

0.0000

228.5006, 0.2732,
0.2443

■ 24.7054, 0.2315,
0.1748

■ 24.7054, 0.2315,
0.1748

■ 18.2478, 0.2123,
0.1420

■ 32.8767, 0.2506,
0.2088

■ 13.3771, 0.1941,
0.1128

■ 42.8707, 0.2686,
0.2421

■ 9.9530, 0.1782,
0.0892


■ 54.7905, 0.2850,
0.2735

■ 7.8084, 0.1657,
0.0730

■ 68.7307, 0.2995,
0.3023

■ 6.6970, 0.1575,
0.0641

■ 84.7794, 0.3122,
0.3280

 98.9514, 0.3226,
0.3454

Harmonies

Analogous

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



24.7054, 0.1629, 0.1668



24.7054, 0.2315, 0.1748



24.7054, 0.3395, 0.2101

Triad

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



24.7054, 0.2315, 0.1748



24.7054, 0.5247, 0.4133



24.7054, 0.1735, 0.3819

Complementary

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



24.7054, 0.2315, 0.1748



77.0427, 0.3701, 0.4587

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.



24.7054, 0.2554, 0.5123



24.7054, 0.2315, 0.1748



24.7054, 0.4563, 0.4933

Square

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



24.7054, 0.2315, 0.1748



24.7054, 0.5326, 0.3372



24.7054, 0.3587, 0.5480



24.7054, 0.1334, 0.2587

Rectangle

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



24.7054, 0.2315, 0.1748



24.7054, 0.4220, 0.2467



24.7054, 0.3587, 0.5480



24.7054, 0.1966, 0.4299

Sweetspot

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



24.7063, 0.2315, 0.1748



72.5244, 0.2930, 0.2893



60.1567, 0.2422, 0.3037



14.7925, 0.2899, 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.



24.7063, 0.2315, 0.1748



21.4688, 0.2126, 0.1426



31.1372, 0.2810, 0.1936



15.3678, 0.3008, 0.3048



3.7773, 0.1585, 0.0647



0.3528, 0.1698, 0.0709

Inverse Universe

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



36.0927, 0.3398, 0.2266



36.3087, 0.3466, 0.2103



69.7106, 0.3290, 0.4784



15.9789, 0.3166, 0.3099



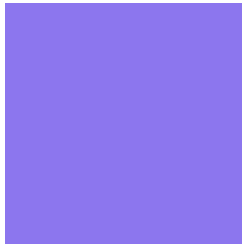
12.3429, 0.3734, 0.1831



1.0396, 0.3652, 0.1786

Previews

White Background



This preview shows how the Yxy color 24.7054, 0.2315, 0.1748 looks on a white background.

Color Contrast Check

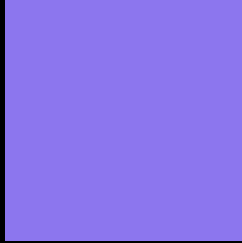
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7054, 0.2315, 0.1748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

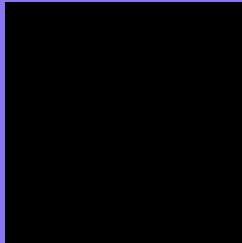
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7054, 0.2315, 0.1748

Background



This preview shows how black text looks on a background with the Yxy color 24.7054, 0.2315, 0.1748.



This preview shows how white text looks on a background with the Yxy color 24.7054, 0.2315, 0.1748.

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

24.7054, 0.2315, 0.1748

Protanopia

24.9866, 0.1922, 0.1676

Deuteranopia

25.1416, 0.1958, 0.1899



Tritanopia

24.5892, 0.2816, 0.3099

Trichromacy



Original Color

24.7054, 0.2315, 0.1748



Protanomaly

24.4908, 0.2028, 0.1688



Deuteranomaly

24.4044, 0.2046, 0.1827



Tritanomaly

24.1220, 0.2609, 0.2486

Monochromacy



Original Color

24.7054, 0.2315, 0.1748



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.7776, 0.2791, 0.2619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7054, 0.2315, 0.1748 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(140, 118, 238)` looks like.

```
.text, #text, p{  
    color:rgb(140, 118, 238)  
}
```

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(140, 118, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 118, 238) }
```

Border

The CSS property to change the border of an element to Yxy 24.7054, 0.2315, 0.1748 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(140, 118, 238) }
```

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

```
.border{ border-color:rgb(140, 118, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 118, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 118, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 118, 238); box-shadow:4px 4px 4px 4px rgb(140, 118, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7054, 0.2315, 0.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 118, 238) }
```

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

```
.background{ background-color: rgb(140,  
118, 238) }
```

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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