

Converting Colors

$Y_{xy}(24.3012, 0.2433, 0.1750)$

Have a look what the booklet for
Yxy(24.3012, 0.2433, 0.1750)
contains.

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Color

Yxy(24.3012, 0.2433, 0.1750)

Conversions

Conversions Part 1

Format	Color
Hex	9970EA
RGB	153, 112, 234
RGB Percent	60%, 44%, 92%
CMY	0.4000, 0.5608, 0.0822
CMYK	0.35, 0.52, 0.00, 0.08
HSL	260°, 74%, 68%
HSV	260°, 52%, 92%
XYZ	33.7856, 24.3012, 80.7772
YIQ	138.1670, -14.7260, 46.6340

Conversions

Conversions Part 2

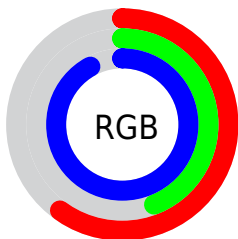
Format	Color
R _Y B	153, 112, 234
Decimal	10055914
CIE Lab	56.39, 42.17, -56.25
CIE LCh	56, 70.299, 306.861
Yxy	24.3012, 0.2433, 0.1750
Android (android.graphics.Color)	4288245994 (0xFF9970EA)
YUV	138.1670, 47.2457, 13.0085
Hunter-Lab	49.2962, 36.0681, -62.6457

Details

The Yxy color **24.3012, 0.2433, 0.1750** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **71.3764, 0.3577, 0.4697**, and the grayscale version is **25.3034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9792, 0.2818, 0.2316**, and **9.1610, 0.2199, 0.1381** is the 20% darker color. If you saturate the color by 10%, you get **18.3768, 0.2266, 0.1446**, and if you desaturate by 10%, it is **31.7661, 0.2595, 0.2069**.

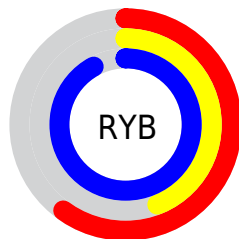
Distribution



Red (60%)

Green (44%)

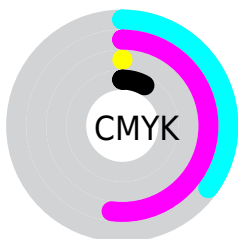
Blue (92%)



Red (60%)

Yellow (44%)

Blue (92%)

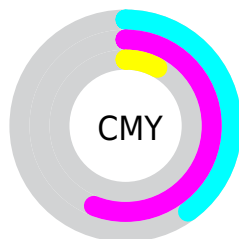


Cyan (35%)

Magenta (52%)

Yellow (0%)

Black (8%)



Cyan (40%)

Magenta (56%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3012, 0.2433, 0.1750 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 24.3012, 0.2433, 0.1750 by changing the saturation by 10% instead.


 24.3012, 0.2433,
0.1750


 24.3012, 0.2433,
0.1750


274.3397, 0.2819,
0.2488

 15.5572, 0.2329,
0.1583


 50.5213, 0.2580,
0.2007

 9.2114, 0.2194,
0.1381


 68.7661, 0.2633,
0.2107

 4.8793, 0.2012,
0.1136


 90.9467, 0.2678,
0.2193

 2.1766, 0.1763,
0.0840

 117.4475, 0.2715,
0.2268

 0.7072, 0.1413,
0.0493

148.6528, 0.2747,
0.2333

 0.0000, 0.0926,
0.0000

184.9470, 0.2774,

 0.0000, 0.0000,

0.2391

0.0000

226.7145, 0.2798,
0.2443

■ 24.3012, 0.2433,
0.1750

■ 24.3012, 0.2433,
0.1750

■ 18.3768, 0.2266,
0.1446

■ 31.7661, 0.2595,
0.2069

■ 13.8764, 0.2101,
0.1177

■ 40.8710, 0.2746,
0.2388

■ 10.6707, 0.1950,
0.0960

■ 51.7098, 0.2883,
0.2693

■ 8.6035, 0.1820,
0.0808

■ 64.3685, 0.3003,
0.2978

■ 7.5891, 0.1735,
0.0730

■ 78.9272, 0.3107,
0.3238

 95.4612, 0.3196,
0.3471

 98.7225, 0.3250,
0.3493

Harmonies

Analogous

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



24.3012, 0.1672, 0.1624



24.3012, 0.2433, 0.1750



24.3012, 0.3591, 0.2148

Triad

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



24.3012, 0.2433, 0.1750



24.3012, 0.5221, 0.4259



24.3012, 0.1606, 0.3612

Complementary

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



24.3012, 0.2433, 0.1750



71.3764, 0.3577, 0.4697

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.



24.3012, 0.2383, 0.5031



24.3012, 0.2433, 0.1750



24.3012, 0.4448, 0.5079

Square

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



24.3012, 0.2433, 0.1750



24.3012, 0.5428, 0.3474



24.3012, 0.3425, 0.5570



24.3012, 0.1267, 0.2421

Rectangle

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



24.3012, 0.2433, 0.1750



24.3012, 0.4434, 0.2538



24.3012, 0.3425, 0.5570



24.3012, 0.1818, 0.4109

Sweetspot

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



24.3021, 0.2433, 0.1750



71.8934, 0.2958, 0.2869



47.6839, 0.2348, 0.2752



14.7071, 0.2933, 0.2810



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.



24.3021, 0.2433, 0.1750



21.6142, 0.2246, 0.1413



31.7801, 0.2990, 0.1967



14.7948, 0.3032, 0.3050



4.3250, 0.1750, 0.0738



0.3907, 0.1901, 0.0821

Inverse Universe

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



32.9372, 0.3616, 0.2412



33.5459, 0.3767, 0.2264



64.9675, 0.3163, 0.4901



15.2227, 0.3189, 0.3135



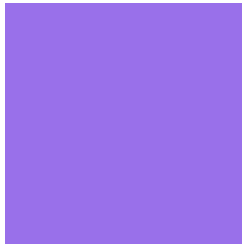
11.1912, 0.4282, 0.2133



0.8966, 0.4095, 0.2030

Previews

White Background



This preview shows how the Yxy color 24.3012, 0.2433, 0.1750 looks on a white background.

Color Contrast Check

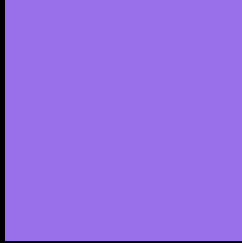
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3012, 0.2433, 0.1750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

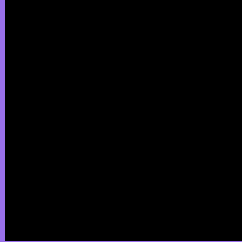
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3012, 0.2433, 0.1750

Background



This preview shows how black text looks on a background with the Yxy color 24.3012, 0.2433, 0.1750.



This preview shows how white text looks on a background with the Yxy color 24.3012, 0.2433, 0.1750.

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

24.3012, 0.2433, 0.1750

Protanopia

24.6265, 0.1902, 0.1651

Deuteranopia

24.4944, 0.1989, 0.1923



Tritanopia

24.1629, 0.3015, 0.3104

Trichromacy



Original Color

24.3012, 0.2433, 0.1750



Protanomaly

23.7784, 0.2033, 0.1661



Deuteranomaly

23.6009, 0.2097, 0.1823



Tritanomaly

23.7588, 0.2779, 0.2503

Monochromacy



Original Color

24.3012, 0.2433, 0.1750



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.5573, 0.2838, 0.2608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3012, 0.2433, 0.1750 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(153, 112, 234)` looks like.

```
.text, #text, p{  
    color:rgb(153, 112, 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(153, 112, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 112, 234) }
```

Border

The CSS property to change the border of an element to Yxy 24.3012, 0.2433, 0.1750 is called "border". The border property can be set on classes, ids or directly on the HTML element.

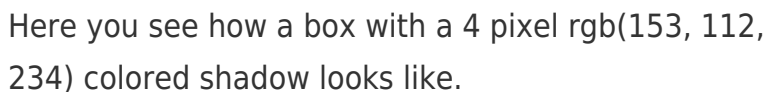
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 112, 234) }
```

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

```
.border{ border-color:rgb(153, 112, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 112, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 112, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 112, 234);  
box-shadow:4px 4px 4px 4px rgb(153, 112,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3012, 0.2433, 0.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 112, 234) }
```

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

```
.background{ background-color: rgb(153,  
112, 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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