

Converting Colors

$Y_{xy}(12.9968, 0.2319, 0.1336)$

Have a look what the booklet for
Yxy(12.9968, 0.2319, 0.1336)
contains.

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Color

Yxy(13.0161, 0.2320, 0.1339)

Conversions

Conversions Part 1

Format	Color
Hex	8240D1
RGB	130, 64, 209
RGB Percent	51%, 25%, 82%
CMY	0.4900, 0.7491, 0.1804
CMYK	0.38, 0.69, 0.00, 0.18
HSL	267°, 61%, 54%
HSV	267°, 69%, 82%
XYZ	22.5522, 13.0161, 61.6394
YIQ	100.2640, -7.2090, 59.0870

Conversions

Conversions Part 2

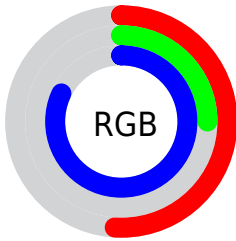
Format	Color
R_{YB}	130, 64, 209
Decimal	8536273
CIE _{Lab}	42.79, 56.15, -64.09
CIE _{LCh}	43, 85.207, 311.221
Yxy	13.0161, 0.2320, 0.1339
Android (android.graphics.Color)	4286726353 (0xFF8240D1)
YUV	100.2640, 53.6068, 26.0785
Hunter-Lab	36.0778, 48.4437, -76.0431

Details

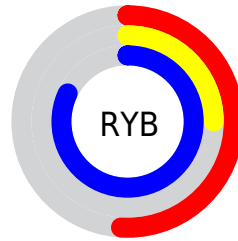
The Yxy color **13.0161, 0.2320, 0.1339** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **51.7987, 0.3509, 0.5189**, and the grayscale version is **12.6763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6339, 0.2596, 0.1761**, and **3.7427, 0.1984, 0.0878** is the 20% darker color. If you saturate the color by 10%, you get **10.2350, 0.2181, 0.1120**, and if you desaturate by 10%, it is **16.7801, 0.2463, 0.1601**.

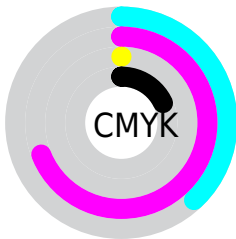
Distribution



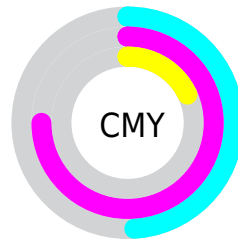
- Red (51%)
- Green (25%)
- Blue (82%)



- Red (51%)
- Yellow (25%)
- Blue (82%)



- Cyan (38%)
- Magenta (69%)
- Yellow (0%)
- Black (18%)





- Cyan (49%)
- Magenta (75%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0161, 0.2320, 0.1339 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 13.0161, 0.2320, 0.1339 by changing the saturation by 10% instead.


 13.0161, 0.2320,
0.1339


 13.0161, 0.2320,
0.1339


211.0208, 0.2812,
0.2300


 7.4396, 0.2175,
0.1125


 31.3327, 0.2517,
0.1673


 3.7385, 0.1980,
0.0874


 44.8416, 0.2586,
0.1804

 1.5284, 0.1712,
0.0588

 61.7635, 0.2642,
0.1917

 0.3086, 0.1353,
0.0213

 82.4827, 0.2688,
0.2014

 0.0000, 0.0828,
0.0000

 107.3837, 0.2727,
0.2100

 0.0000, 0.0000,
0.0000

136.8507, 0.2759,

0.2174

171.2683, 0.2787,
0.2241

■ 13.0161, 0.2320,
0.1339

■ 13.0161, 0.2320,
0.1339

■ 10.2350, 0.2181,
0.1120

■ 16.7801, 0.2463,
0.1601

■ 8.3277, 0.2052,
0.0955

■ 21.6173, 0.2602,
0.1892

■ 7.1131, 0.1938,
0.0844

■ 27.6086, 0.2734,
0.2194

■ 7.0479, 0.1932,
0.0838

■ 34.8267, 0.2853,
0.2495

■ 43.3383, 0.2960,
0.2784

■ 53.2049, 0.3052,
0.3055

■ 64.4842, 0.3132,
0.3305

■ 77.2304, 0.3199,
0.3531

■ 91.4948, 0.3255,
0.3734

Harmonies

Analogous

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



13.0161, 0.1312, 0.1141



13.0161, 0.2320, 0.1339



13.0161, 0.4025, 0.1848

Triad

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



13.0161, 0.2320, 0.1339



13.0161, 0.5640, 0.4360



13.0161, 0.0953, 0.3332

Complementary

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



13.0161, 0.2320, 0.1339



51.7987, 0.3509, 0.5189

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.



13.0161, 0.1747, 0.5802



13.0161, 0.2320, 0.1339



13.0161, 0.4369, 0.5631

Square

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



13.0161, 0.2320, 0.1339



13.0161, 0.6303, 0.3371



13.0161, 0.2988, 0.6665



13.0161, 0.0723, 0.1824

Rectangle

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



13.0161, 0.2320, 0.1339



13.0161, 0.5275, 0.2326



13.0161, 0.2988, 0.6665



13.0161, 0.1146, 0.4121

Sweetspot

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



13.0165, 0.2320, 0.1339



65.3478, 0.2941, 0.2732



25.5580, 0.2082, 0.2259



13.1674, 0.2912, 0.2652



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.



13.0165, 0.2320, 0.1339



14.5301, 0.2121, 0.1037



20.7872, 0.3116, 0.1721



11.6777, 0.3052, 0.3055



4.4030, 0.1947, 0.0846



0.2931, 0.2154, 0.0960

Inverse Universe

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



19.1985, 0.4125, 0.2394



25.5015, 0.4442, 0.2344



47.3146, 0.3054, 0.5486



11.9144, 0.3207, 0.3164



9.1238, 0.4759, 0.2395



0.5261, 0.4398, 0.2196

Previews

White Background



This preview shows how the Yxy color 13.0161, 0.2320, 0.1339 looks on a white background.

Color Contrast Check

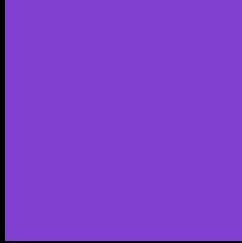
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0161, 0.2320, 0.1339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

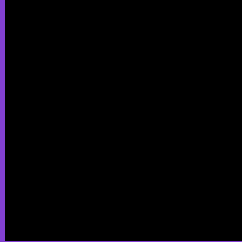
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0161, 0.2320, 0.1339

Background



This preview shows how black text looks on a background with the Yxy color 13.0161, 0.2320, 0.1339.



This preview shows how white text looks on a background with the Yxy color 13.0161, 0.2320, 0.1339.

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

13.0161, 0.2320, 0.1339

Protanopia

13.1916, 0.1746, 0.1485

Deuteranopia

13.1959, 0.1847, 0.1848



Tritanopia

12.9641, 0.3165, 0.3119

Trichromacy



Original Color

13.0161, 0.2320, 0.1339



Protanomaly

11.7649, 0.1791, 0.1337



Deuteranomaly

11.5107, 0.1851, 0.1506



Tritanomaly

12.3518, 0.2796, 0.2230

Monochromacy



Original Color

13.0161, 0.2320, 0.1339



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.0893, 0.2765, 0.2274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0161, 0.2320, 0.1339 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(130, 64, 209)` looks like.

```
.text, #text, p{  
    color:rgb(130, 64, 209)  
}
```

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(130, 64, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 64, 209) }
```

Border

The CSS property to change the border of an element to Yxy 13.0161, 0.2320, 0.1339 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(130, 64, 209) }
```

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

```
.border{ border-color:rgb(130, 64, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 64, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 64, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 64, 209);  
box-shadow:4px 4px 4px 4px rgb(130, 64,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0161, 0.2320, 0.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 64, 209) }
```

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

```
.background{ background-color: rgb(130, 64,  
209) }
```

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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