

Converting Colors

$Y_{xy}(13.3660, 0.2351, 0.1263)$

Have a look what the booklet for
Yxy(13.3660, 0.2351, 0.1263)
contains.

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Color

Yxy(13.3698, 0.2347, 0.1264)

Conversions

Conversions Part 1

Format	Color
Hex	8C37DA
RGB	140, 55, 218
RGB Percent	55%, 22%, 85%
CMY	0.4512, 0.7840, 0.1452
CMYK	0.36, 0.75, 0.00, 0.15
HSL	271°, 69%, 54%
HSV	271°, 75%, 85%
XYZ	24.8251, 13.3698, 67.5788
YIQ	98.9970, -1.6630, 68.7130

Conversions

Conversions Part 2

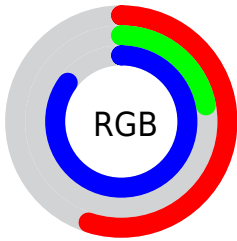
Format	Color
R_{YB}	140, 55, 218
Decimal	9189338
CIE Lab	43.32, 63.94, -68.33
CIE LCh	43, 93.583, 313.098
Yxy	13.3698, 0.2347, 0.1264
Android (android.graphics.Color)	4287379418 (0xFF8C37DA)
YUV	98.9970, 58.6685, 35.9596
Hunter-Lab	36.5647, 57.2017, -83.9843

Details

The Yxy color **13.3698, 0.2347, 0.1264** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **55.3970, 0.3431, 0.5363**, and the grayscale version is **12.3330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5140, 0.2685, 0.1737**, and **4.3580, 0.2033, 0.0894** is the 20% darker color. If you saturate the color by 10%, you get **10.8700, 0.2224, 0.1082**, and if you desaturate by 10%, it is **16.8706, 0.2475, 0.1494**.

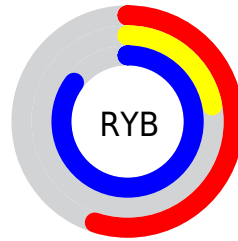
Distribution



Red (55%)

Green (22%)

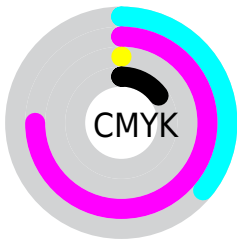
Blue (85%)



Red (55%)

Yellow (22%)

Blue (85%)

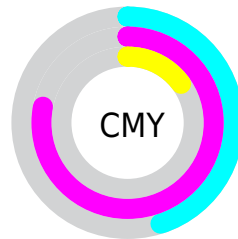


Cyan (36%)

Magenta (75%)

Yellow (0%)

Black (15%)



Cyan (45%)


Magenta (78%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3698, 0.2347, 0.1264 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 13.3698, 0.2347, 0.1264 by changing the saturation by 10% instead.


 13.3698, 0.2347,
0.1264


 13.3698, 0.2347,
0.1264


213.2743, 0.2826,
0.2238


 7.6837, 0.2207,
0.1055


 31.9666, 0.2539,
0.1597


 3.8932, 0.2019,
0.0813


 45.6460, 0.2606,
0.1729


 1.6140, 0.1763,
0.0543

 62.7587, 0.2660,
0.1843

 0.3670, 0.1420,
0.0215

 83.6890, 0.2705,
0.1943

 0.0000, 0.0949,
0.0000

 108.8213, 0.2743,
0.2030

 0.0000, 0.0000,
0.0000

 138.5400, 0.2775,

0.2108

173.2295, 0.2802,
0.2176

■ 13.3698, 0.2347,
0.1264

■ 13.3698, 0.2347,
0.1264

■ 10.8700, 0.2224,
0.1082

■ 16.8706, 0.2475,
0.1494

■ 9.2370, 0.2110,
0.0956

■ 21.4801, 0.2602,
0.1761

■ 8.6082, 0.2054,
0.0905

■ 27.2932, 0.2723,
0.2049

■ 34.3937, 0.2834,
0.2344

■ 42.8579, 0.2934,
0.2635

■ 52.7559, 0.3021,
0.2914

■ 64.1530, 0.3096,
0.3174

■ 77.1103, 0.3159,
0.3413

■ 91.6854, 0.3212,
0.3631

Harmonies

Analogous

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



13.3698, 0.1261, 0.1045



13.3698, 0.2347, 0.1264



13.3698, 0.4216, 0.1802

Triad

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



13.3698, 0.2347, 0.1264



13.3698, 0.5628, 0.4372



13.3698, 0.0799, 0.3155

Complementary

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



13.3698, 0.2347, 0.1264



55.3970, 0.3431, 0.5363

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.



13.3698, 0.1542, 0.5913



13.3698, 0.2347, 0.1264



13.3698, 0.4230, 0.5770

Square

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



13.3698, 0.2347, 0.1264



13.3698, 0.6468, 0.3344



13.3698, 0.2795, 0.6973



13.3698, 0.0618, 0.1653

Rectangle

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



13.3698, 0.2347, 0.1264



13.3698, 0.5557, 0.2296



13.3698, 0.2795, 0.6973



13.3698, 0.0971, 0.3998

Sweetspot

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



13.3702, 0.2347, 0.1264



64.5358, 0.2957, 0.2707



22.8714, 0.1974, 0.1987



13.0331, 0.2932, 0.2630



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.



13.3702, 0.2347, 0.1264



13.9629, 0.2153, 0.0999



22.5592, 0.3232, 0.1713



12.9492, 0.3062, 0.3054



5.2234, 0.2069, 0.0914



0.3896, 0.2243, 0.1009

Inverse Universe

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



19.3362, 0.4425, 0.2479



23.7383, 0.4843, 0.2499



51.2434, 0.3009, 0.5627



13.1549, 0.3217, 0.3179



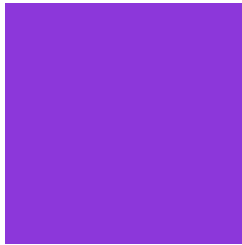
9.5554, 0.5038, 0.2549



0.6364, 0.4662, 0.2342

Previews

White Background



This preview shows how the Yxy color 13.3698, 0.2347, 0.1264 looks on a white background.

Color Contrast Check

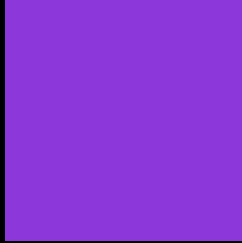
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3698, 0.2347, 0.1264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

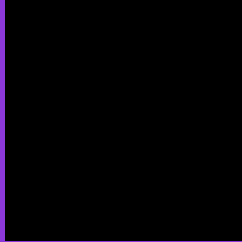
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3698, 0.2347, 0.1264

Background



This preview shows how black text looks on a background with the Yxy color 13.3698, 0.2347, 0.1264.



This preview shows how white text looks on a background with the Yxy color 13.3698, 0.2347, 0.1264.

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

13.3698, 0.2347, 0.1264

Protanopia

13.5271, 0.1744, 0.1477

Deuteranopia

13.4393, 0.1849, 0.1855



Tritanopia

13.3308, 0.3330, 0.3147

Trichromacy



Original Color

13.3698, 0.2347, 0.1264



Protanomaly

11.6438, 0.1783, 0.1270



Deuteranomaly

11.4152, 0.1851, 0.1456



Tritanomaly

12.4389, 0.2893, 0.2169

Monochromacy



Original Color

13.3698, 0.2347, 0.1264



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.7169, 0.2778, 0.2182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3698, 0.2347, 0.1264 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, 55, 218)` looks like.

```
.text, #text, p{  
    color:rgb(140, 55, 218)  
}
```

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, 55, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 55, 218) }
```

Border

The CSS property to change the border of an element to Yxy 13.3698, 0.2347, 0.1264 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, 55, 218) }
```

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

```
.border{ border-color:rgb(140, 55, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 55, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 55, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 55, 218);  
box-shadow:4px 4px 4px 4px rgb(140, 55,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3698, 0.2347, 0.1264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 55, 218) }
```

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

```
.background{ background-color: rgb(140, 55,  
218) }
```

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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