

Converting Colors

$Y_{xy}(13.5301, 0.3779, 0.2349)$

Have a look what the booklet for
Yxy(13.5301, 0.3779, 0.2349)
contains.

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Color

Yxy(13.5811, 0.3782, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	A74181
RGB	167, 65, 129
RGB Percent	65%, 25%, 51%
CMY	0.3450, 0.7451, 0.4941
CMYK	0.00, 0.61, 0.23, 0.35
HSL	322°, 44%, 45%
HSV	322°, 61%, 65%
XYZ	21.7920, 13.5811, 22.2472
YIQ	102.7940, 40.2480, 41.5280

Conversions

Conversions Part 2

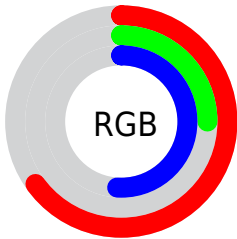
Format	Color
R_{YB}	167, 65, 129
Decimal	10961281
CIE _{Lab}	43.63, 49.02, -14.99
CIE _{LCh}	44, 51.257, 342.991
Yxy	13.5811, 0.3782, 0.2357
Android (android.graphics.Color)	4289151361 (0xFFA74181)
YUV	102.7940, 12.9196, 56.3087
Hunter-Lab	36.8525, 41.0603, -9.9955

Details

The Yxy color **13.5811, 0.3782, 0.2357** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **29.7448, 0.2804, 0.4521**, and the grayscale version is **13.4633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3418, 0.3637, 0.2559**, and **4.0239, 0.4046, 0.2003** is the 20% darker color. If you saturate the color by 10%, you get **11.7795, 0.3940, 0.2256**, and if you desaturate by 10%, it is **15.9610, 0.3636, 0.2488**.

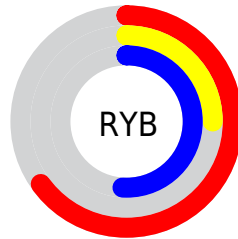
Distribution



Red (65%)

Green (25%)

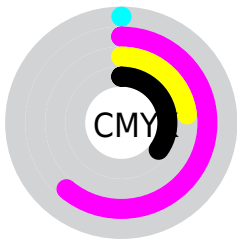
Blue (51%)



Red (65%)

Yellow (25%)

Blue (51%)

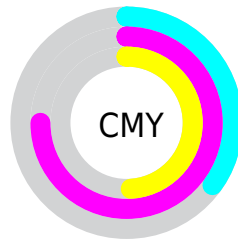


Cyan (0%)

Magenta (61%)

Yellow (23%)

Black (35%)



Cyan (35%)


Magenta (75%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5811, 0.3782, 0.2357 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 13.5811, 0.3782, 0.2357 by changing the saturation by 10% instead.


 13.5811, 0.3782,
0.2357


 13.5811, 0.3782,
0.2357


214.6090, 0.3408,
0.2879


 7.8299, 0.3894,
0.2206


 32.3439, 0.3633,
0.2561


 3.9863, 0.4052,
0.2000


 46.1243, 0.3581,
0.2633

 1.6659, 0.4287,
0.1702

 63.3498, 0.3539,
0.2692

 0.4014, 0.4773,
0.1056

 84.4049, 0.3504,
0.2742

 0.0000, 0.6526,
0.0000

 109.6740, 0.3475,
0.2784

 0.0000, 0.0000,
0.0000

139.5415, 0.3449,

0.2820

174.3917, 0.3427,
0.2851

■ 13.5811, 0.3782,
0.2357

■ 13.5811, 0.3782,
0.2357

■ 11.7795, 0.3940,
0.2256

■ 15.9610, 0.3636,
0.2488

■ 10.5023, 0.4105,
0.2196

■ 18.9626, 0.3505,
0.2639

■ 9.6889, 0.4270,
0.2184

■ 22.6277, 0.3390,
0.2799

■ 9.2330, 0.4417,
0.2207

■ 26.9936, 0.3290,
0.2962

■ 32.0950, 0.3206,
0.3121

■ 37.9642, 0.3134,
0.3274

■ 44.6316, 0.3074,
0.3418

■ 52.1259, 0.3024,
0.3552

■ 60.4744, 0.2983,
0.3676

Harmonies

Analogous

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



13.5811, 0.2700, 0.1938



13.5811, 0.3782, 0.2357



13.5811, 0.4789, 0.2957

Triad

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



13.5811, 0.3782, 0.2357



13.5811, 0.4191, 0.5060



13.5811, 0.1406, 0.2374

Complementary

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



13.5811, 0.3782, 0.2357



29.7448, 0.2804, 0.4521

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.



13.5811, 0.1660, 0.3339



13.5811, 0.3782, 0.2357



13.5811, 0.3240, 0.5285

Square

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



13.5811, 0.3782, 0.2357



13.5811, 0.4936, 0.4381



13.5811, 0.2308, 0.4582



13.5811, 0.1497, 0.1887

Rectangle

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



13.5811, 0.3782, 0.2357



13.5811, 0.5155, 0.3410



13.5811, 0.2308, 0.4582



13.5811, 0.1449, 0.2641

Sweetspot

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



13.5818, 0.3782, 0.2357



50.7235, 0.3266, 0.3006



9.4181, 0.2342, 0.1533



10.8059, 0.3291, 0.2961



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.5818, 0.3782, 0.2357



20.2549, 0.3993, 0.2232



12.5550, 0.4746, 0.3099



7.6185, 0.3192, 0.3149



7.0736, 0.4403, 0.2199



0.1815, 0.3918, 0.1932

Inverse Universe

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



13.5818, 0.3782, 0.2357



20.2549, 0.3993, 0.2232



31.0793, 0.2475, 0.3531



7.6185, 0.3192, 0.3149



7.0736, 0.4403, 0.2199



0.1815, 0.3918, 0.1932

Previews

White Background



This preview shows how the Yxy color 13.5811, 0.3782, 0.2357 looks on a white background.

Color Contrast Check

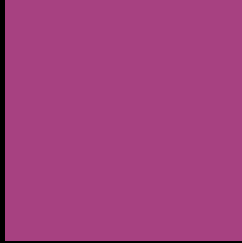
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5811, 0.3782, 0.2357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

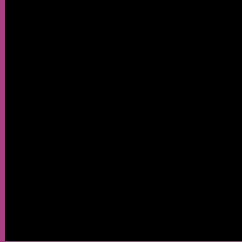
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5811, 0.3782, 0.2357

Background



This preview shows how black text looks on a background with the Yxy color 13.5811, 0.3782, 0.2357.



This preview shows how white text looks on a background with the Yxy color 13.5811, 0.3782, 0.2357.

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

13.5811, 0.3782, 0.2357

Protanopia

13.8684, 0.2342, 0.2228

Deuteranopia

13.6805, 0.2888, 0.2835



Tritanopia

13.5646, 0.4535, 0.3202

Trichromacy



Original Color

13.5811, 0.3782, 0.2357

Protanomaly

12.8962, 0.2740, 0.2221

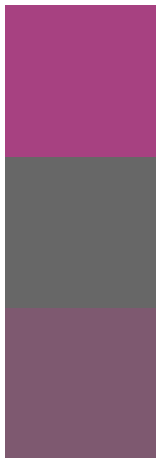
Deuteranomaly

12.9721, 0.3190, 0.2595

Tritanomaly

13.4281, 0.4261, 0.2878

Monochromacy



Original Color

13.5811, 0.3782, 0.2357

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.7502, 0.3367, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5811, 0.3782, 0.2357 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(167, 65, 129)` looks like.

```
.text, #text, p{  
    color:rgb(167, 65, 129)  
}
```

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(167, 65, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 65, 129) }
```

Border

The CSS property to change the border of an element to Yxy 13.5811, 0.3782, 0.2357 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(167, 65, 129) }
```

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

```
.border{ border-color:rgb(167, 65, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 65, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 65, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 65, 129);  
box-shadow:4px 4px 4px 4px rgb(167, 65,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5811, 0.3782, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 65, 129) }
```

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

```
.background{ background-color: rgb(167, 65,  
129) }
```

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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