

Converting Colors

$Y_{xy}(13.1475, 0.3099, 0.1761)$

Have a look what the booklet for
Yxy(13.1475, 0.3099, 0.1761)
contains.

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Color

Yxy(13.1366, 0.3100, 0.1760)

Conversions

Conversions Part 1

Format	Color
Hex	A137A8
RGB	161, 55, 168
RGB Percent	63%, 22%, 66%
CMY	0.3685, 0.7845, 0.3412
CMYK	0.04, 0.67, 0.00, 0.34
HSL	296°, 51%, 44%
HSV	296°, 67%, 66%
XYZ	23.1383, 13.1366, 38.3648
YIQ	99.5760, 26.9030, 57.6150

Conversions

Conversions Part 2

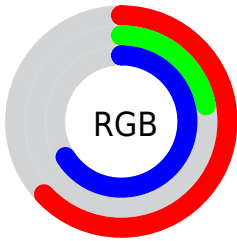
Format	Color
R_{YB}	161, 55, 168
Decimal	10565544
CIE _{Lab}	42.97, 58.03, -39.59
CIE _{LCh}	43, 70.247, 325.695
Yxy	13.1366, 0.3100, 0.1760
Android (android.graphics.Color)	4288755624 (0xFFA137A8)
YUV	99.5760, 33.7330, 53.8688
Hunter-Lab	36.2444, 50.5260, -37.3875

Details

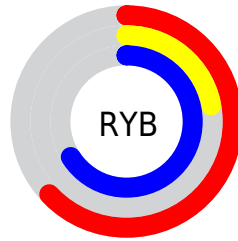
The Yxy color **13.1366, 0.3100, 0.1760** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.3048, 0.3067, 0.5390**, and the grayscale version is **12.5353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4391, 0.3124, 0.2049**, and **4.3020, 0.3021, 0.1438** is the 20% darker color. If you saturate the color by 10%, you get **11.6979, 0.3088, 0.1623**, and if you desaturate by 10%, it is **15.1205, 0.3110, 0.1936**.

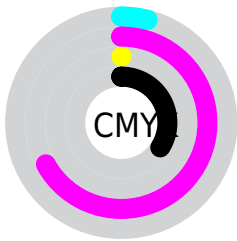
Distribution



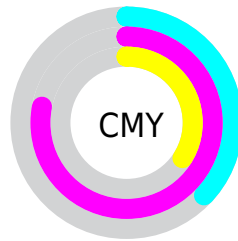
- Red (63%)
- Green (22%)
- Blue (66%)



- Red (63%)
- Yellow (22%)
- Blue (66%)



- Cyan (4%)
- Magenta (67%)
- Yellow (0%)
- Black (34%)





- Cyan (37%)
- Magenta (78%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1366, 0.3100, 0.1760 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 13.1366, 0.3100, 0.1760 by changing the saturation by 10% instead.


 13.1366, 0.3100,
0.1760


 13.1366, 0.3100,
0.1760

 211.7913, 0.3154,
0.2560


 7.5227, 0.3068,
0.1557


 31.5490, 0.3132,
0.2055


 3.7911, 0.3012,
0.1301


 45.1162, 0.3140,
0.2165


 1.5574, 0.2911,
0.0975


 62.1034, 0.3146,
0.2258

 0.3286, 0.2752,
0.0435

 82.8948, 0.3149,
0.2336

 0.0000, 0.2296,
0.0000

 107.8749, 0.3152,
0.2404

 0.0000, 0.0000,
0.0000

 137.4281, 0.3153,

0.2463

171.9387, 0.3154,
0.2514

■ 13.1366, 0.3100,
0.1760

■ 13.1366, 0.3100,
0.1760

■ 11.6979, 0.3088,
0.1623

■ 15.1205, 0.3110,
0.1936

■ 10.7448, 0.3075,
0.1527

■ 17.6975, 0.3118,
0.2144

■ 10.1888, 0.3060,
0.1470

■ 20.9124, 0.3123,
0.2375

■ 10.0614, 0.3056,
0.1457

■ 24.8051, 0.3126,
0.2620

■ 29.4122, 0.3128,
0.2869

■ 34.7679, 0.3128,
0.3116

■ 40.9040, 0.3127,
0.3353

■ 47.8504, 0.3124,
0.3579

■ 55.6356, 0.3121,
0.3789

Harmonies

Analogous

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



13.1366, 0.1910, 0.1431



13.1366, 0.3100, 0.1760



13.1366, 0.4653, 0.2359

Triad

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



13.1366, 0.3100, 0.1760



13.1366, 0.4974, 0.4920



13.1366, 0.1061, 0.2637

Complementary

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



13.1366, 0.3100, 0.1760



29.3048, 0.3067, 0.5390

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.



13.1366, 0.1578, 0.4368



13.1366, 0.3100, 0.1760



13.1366, 0.3800, 0.5863

Square

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



13.1366, 0.3100, 0.1760



13.1366, 0.5747, 0.3916



13.1366, 0.2593, 0.5936



13.1366, 0.0987, 0.1727

Rectangle

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



13.1366, 0.3100, 0.1760



13.1366, 0.5489, 0.2846



13.1366, 0.2593, 0.5936



13.1366, 0.1176, 0.3129

Sweetspot

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



13.1372, 0.3100, 0.1760



50.6519, 0.3128, 0.2792



7.1379, 0.1875, 0.1288



10.5459, 0.3127, 0.2725



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.



13.1372, 0.3100, 0.1760



20.2240, 0.3081, 0.1568



12.3864, 0.4010, 0.2383



7.6427, 0.3128, 0.3067



7.6055, 0.3058, 0.1458



0.1918, 0.3111, 0.1488

Inverse Universe

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



11.4010, 0.5169, 0.3206



16.9925, 0.5833, 0.3223



29.8171, 0.2748, 0.4533



7.5495, 0.3276, 0.3276



6.3066, 0.6317, 0.3253



0.1557, 0.5959, 0.3056

Previews

White Background



This preview shows how the Yxy color 13.1366, 0.3100, 0.1760 looks on a white background.

Color Contrast Check

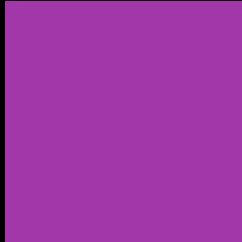
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1366, 0.3100, 0.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

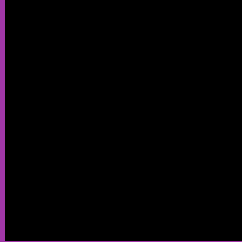
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1366, 0.3100, 0.1760

Background



This preview shows how black text looks on a background with the Yxy color 13.1366, 0.3100, 0.1760.

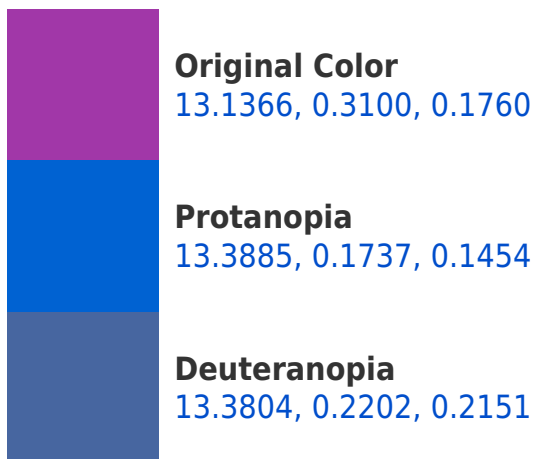


This preview shows how white text looks on a background with the Yxy color 13.1366, 0.3100, 0.1760.

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





Tritanopia

13.1523, 0.4228, 0.3191

Trichromacy



Original Color

13.1366, 0.3100, 0.1760



Protanomaly

10.9045, 0.1868, 0.1388



Deuteranomaly

12.0844, 0.2440, 0.1894



Tritanomaly

12.8642, 0.3808, 0.2580

Monochromacy



Original Color

13.1366, 0.3100, 0.1760



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

11.9589, 0.3118, 0.2503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1366, 0.3100, 0.1760 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(161, 55, 168)` looks like.

```
.text, #text, p{  
    color:rgb(161, 55, 168)  
}
```

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(161, 55, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 55, 168) }
```

Border

The CSS property to change the border of an element to Yxy 13.1366, 0.3100, 0.1760 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(161, 55, 168) }
```

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

```
.border{ border-color:rgb(161, 55, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 55, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 55, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 55, 168); box-shadow:4px 4px 4px 4px rgb(161, 55, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1366, 0.3100, 0.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 55, 168) }
```

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

```
.background{ background-color: rgb(161, 55,  
168) }
```

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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