

Converting Colors

$Y_{xy}(13.4752, 0.3052, 0.1588)$

Have a look what the booklet for
Yxy(13.4752, 0.3052, 0.1588)
contains.

Yxy(13.4864, 0.3057, 0.1588)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.4864, 0.3057, 0.1588)

Conversions

Conversions Part 1

Format	Color
Hex	AB27B6
RGB	171, 39, 182
RGB Percent	67%, 15%, 71%
CMY	0.3294, 0.8470, 0.2864
CMYK	0.06, 0.79, 0.00, 0.29
HSL	295°, 65%, 43%
HSV	295°, 79%, 71%
XYZ	25.9622, 13.4864, 45.4784
YIQ	94.7700, 32.7690, 72.4570

Conversions

Conversions Part 2

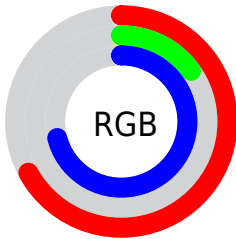
Format	Color
R_{YB}	171, 39, 182
Decimal	11216822
CIE _{Lab}	43.49, 68.01, -46.94
CIE _{LCh}	43, 82.632, 325.387
Yxy	13.4864, 0.3057, 0.1588
Android (android.graphics.Color)	4289406902 (0xFFAB27B6)
YUV	94.7700, 43.0044, 66.8537
Hunter-Lab	36.7238, 61.9251, -47.7174

Details

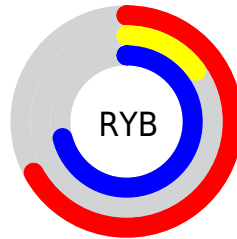
The Yxy color **13.4864, 0.3057, 0.1588** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **34.2712, 0.3055, 0.5689**, and the grayscale version is **11.2776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1693, 0.3104, 0.1892**, and **5.1359, 0.2943, 0.1395** is the 20% darker color. If you saturate the color by 10%, you get **12.4085, 0.3039, 0.1496**, and if you desaturate by 10%, it is **15.1401, 0.3074, 0.1722**.

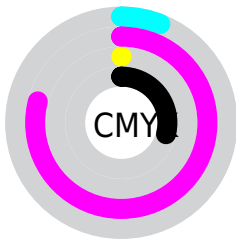
Distribution



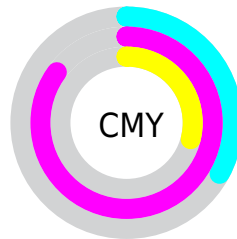
- Red (67%)
- Green (15%)
- Blue (71%)



- Red (67%)
- Yellow (15%)
- Blue (71%)



- Cyan (6%)
- Magenta (79%)
- Yellow (0%)
- Black (29%)





- Cyan (33%)
- Magenta (85%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4864, 0.3057, 0.1588 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 13.4864, 0.3057, 0.1588 by changing the saturation by 10% instead.


 13.4864, 0.3057,
0.1588


 13.4864, 0.3057,
0.1588


214.0119, 0.3146,
0.2449


 7.7643, 0.3013,
0.1382


 32.1749, 0.3104,
0.1897


 3.9445, 0.2942,
0.1129


 45.9101, 0.3117,
0.2015


 1.6426, 0.2822,
0.0821

 63.0852, 0.3127,
0.2115

 0.3861, 0.2627,
0.0380

 84.0845, 0.3133,
0.2201

 0.0000, 0.2215,
0.0000

 109.2924, 0.3138,
0.2276

 0.0000, 0.0000,
0.0000

 139.0933, 0.3141,

0.2341

173.8717, 0.3144,
0.2398

■ 13.4864, 0.3057,
0.1588

■ 13.4864, 0.3057,
0.1588

■ 12.4085, 0.3039,
0.1496

■ 15.1401, 0.3074,
0.1722

■ 11.7813, 0.3020,
0.1443

■ 17.4402, 0.3088,
0.1897

■ 11.7023, 0.3017,
0.1436

■ 20.4492, 0.3101,
0.2104

■ 24.2216, 0.3110,
0.2336

■ 28.8068, 0.3118,
0.2582

■ 34.2498, 0.3123,
0.2834

■ 40.5924, 0.3126,
0.3083

■ 47.8736, 0.3127,
0.3324

■ 56.1303, 0.3127,
0.3552

Harmonies

Analogous

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



13.4864, 0.1748, 0.1247



13.4864, 0.3057, 0.1588



13.4864, 0.4864, 0.2219

Triad

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



13.4864, 0.3057, 0.1588



13.4864, 0.5065, 0.4935



13.4864, 0.0848, 0.2506

Complementary

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



13.4864, 0.3057, 0.1588



34.2712, 0.3055, 0.5689

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.



13.4864, 0.1359, 0.4571



13.4864, 0.3057, 0.1588



13.4864, 0.3779, 0.6211

Square

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



13.4864, 0.3057, 0.1588



13.4864, 0.6030, 0.3831



13.4864, 0.2431, 0.6448



13.4864, 0.0794, 0.1532

Rectangle

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



13.4864, 0.3057, 0.1588



13.4864, 0.5833, 0.2725



13.4864, 0.2431, 0.6448



13.4864, 0.0955, 0.3069

Sweetspot

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



13.4870, 0.3057, 0.1588



56.1471, 0.3120, 0.2687



6.1697, 0.1700, 0.1003



11.6587, 0.3118, 0.2597



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.4870, 0.3057, 0.1588



21.6652, 0.3026, 0.1457



12.8098, 0.4195, 0.2282



9.1267, 0.3126, 0.3064



8.2793, 0.3020, 0.1437



0.3023, 0.3072, 0.1466

Inverse Universe

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



11.6247, 0.5658, 0.3195



18.4514, 0.6224, 0.3245



34.7713, 0.2752, 0.4834



9.0231, 0.3276, 0.3273



7.0495, 0.6302, 0.3245



0.2523, 0.5936, 0.3044

Previews

White Background



This preview shows how the Yxy color 13.4864, 0.3057, 0.1588 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 13.4864, 0.3057, 0.1588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

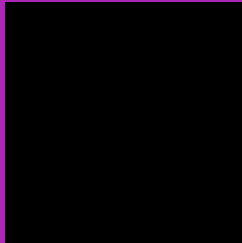
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4864, 0.3057, 0.1588

Background



This preview shows how black text looks on a background with the Yxy color 13.4864, 0.3057, 0.1588.



This preview shows how white text looks on a background with the Yxy color 13.4864, 0.3057, 0.1588.

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

13.4864, 0.3057, 0.1588

Protanopia

13.8678, 0.1741, 0.1469

Deuteranopia

13.7787, 0.2054, 0.2001



Tritanopia

13.4598, 0.4425, 0.3198

Trichromacy



Original Color

13.4864, 0.3057, 0.1588



Protanomaly

10.6900, 0.1850, 0.1296



Deuteranomaly

11.5246, 0.2270, 0.1650



Tritanomaly

12.8094, 0.3886, 0.2449

Monochromacy



Original Color

13.4864, 0.3057, 0.1588



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.7754, 0.3109, 0.2308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4864, 0.3057, 0.1588 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(171, 39, 182)` looks like.

```
.text, #text, p{  
    color:rgb(171, 39, 182)  
}
```

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(171, 39, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 39, 182) }
```

Border

The CSS property to change the border of an element to Yxy 13.4864, 0.3057, 0.1588 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(171, 39, 182) }
```

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

```
.border{ border-color:rgb(171, 39, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 39, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 39, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 39, 182);  
box-shadow:4px 4px 4px 4px rgb(171, 39,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4864, 0.3057, 0.1588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 39, 182) }
```

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

```
.background{ background-color: rgb(171, 39,  
182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor