

Converting Colors

$Y_{xy}(13.8430, 0.3548, 0.2240)$

Have a look what the booklet for
Yxy(13.8430, 0.3548, 0.2240)
contains.

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Color

Yxy(13.7849, 0.3547, 0.2240)

Conversions

Conversions Part 1

Format	Color
Hex	A3448B
RGB	163, 68, 139
RGB Percent	64%, 27%, 55%
CMY	0.3608, 0.7332, 0.4550
CMYK	0.00, 0.58, 0.15, 0.36
HSL	315°, 41%, 45%
HSV	315°, 58%, 64%
XYZ	21.8281, 13.7849, 25.9267
YIQ	104.4990, 33.8290, 42.2210

Conversions

Conversions Part 2

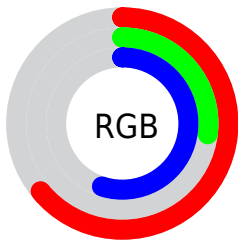
Format	Color
R_{YB}	163, 68, 139
Decimal	10699915
CIE _{Lab}	43.92, 47.91, -20.65
CIE _{LCh}	44, 52.166, 336.683
Yxy	13.7849, 0.3547, 0.2240
Android (android.graphics.Color)	4288889995 (0xFFA3448B)
YUV	104.4990, 17.0090, 51.3054
Hunter-Lab	37.1280, 39.9689, -15.4129

Details

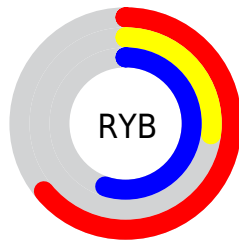
The Yxy color **13.7849, 0.3547, 0.2240** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **28.1931, 0.2890, 0.4678**, and the grayscale version is **13.9325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7406, 0.3455, 0.2460**, and **4.0614, 0.3676, 0.1852** is the 20% darker color. If you saturate the color by 10%, you get **11.9618, 0.3645, 0.2109**, and if you desaturate by 10%, it is **16.1620, 0.3454, 0.2400**.

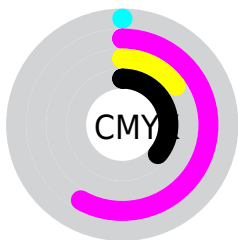
Distribution



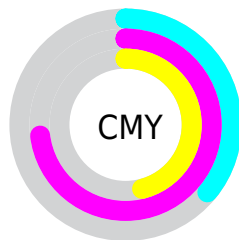
- Red (64%)
- Green (27%)
- Blue (55%)



- Red (64%)
- Yellow (27%)
- Blue (55%)



- Cyan (0%)
- Magenta (58%)
- Yellow (15%)
- Black (36%)




- Cyan (36%)
- Magenta (73%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7849, 0.3547, 0.2240 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 13.7849, 0.3547, 0.2240 by changing the saturation by 10% instead.


 13.7849, 0.3547,
0.2240


 13.7849, 0.3547,
0.2240


215.8885, 0.3319,
0.2818


 7.9712, 0.3610,
0.2078


 32.7069, 0.3460,
0.2463


 4.0765, 0.3693,
0.1860


 46.5840, 0.3428,
0.2543

 1.7165, 0.3806,
0.1553

 63.9176, 0.3402,
0.2609

 0.4343, 0.4029,
0.0961

 85.0923, 0.3380,
0.2664

 0.0000, 0.4271,
0.0000

 110.4923, 0.3362,
0.2711

 0.0000, 0.0000,
0.0000

140.5021, 0.3345,

0.2752

175.5060, 0.3331,
0.2787

■ 13.7849, 0.3547,
0.2240

■ 13.7849, 0.3547,
0.2240

■ 11.9618, 0.3645,
0.2109

■ 16.1620, 0.3454,
0.2400

■ 10.6439, 0.3747,
0.2015

■ 19.1324, 0.3369,
0.2578

■ 9.7774, 0.3848,
0.1966

■ 22.7343, 0.3293,
0.2766

■ 9.2639, 0.3947,
0.1958

■ 27.0020, 0.3227,
0.2956

■ 9.1848, 0.3965,
0.1958

■ 31.9673, 0.3169,
0.3142

■ 37.6601, 0.3119,
0.3320

■ 44.1084, 0.3077,
0.3489

■ 51.3388, 0.3041,
0.3646

■ 59.3765, 0.3012,
0.3791

Harmonies

Analogous

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



13.7849, 0.2497, 0.1867



13.7849, 0.3547, 0.2240



13.7849, 0.4630, 0.2815

Triad

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



13.7849, 0.3547, 0.2240



13.7849, 0.4381, 0.4951



13.7849, 0.1412, 0.2525

Complementary

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



13.7849, 0.3547, 0.2240



28.1931, 0.2890, 0.4678

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.



13.7849, 0.1748, 0.3600



13.7849, 0.3547, 0.2240



13.7849, 0.3445, 0.5331

Square

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



13.7849, 0.3547, 0.2240



13.7849, 0.5062, 0.4228



13.7849, 0.2480, 0.4828



13.7849, 0.1436, 0.1940

Rectangle

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



13.7849, 0.3547, 0.2240



13.7849, 0.5098, 0.3261



13.7849, 0.2480, 0.4828



13.7849, 0.1481, 0.2830

Sweetspot

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



13.7856, 0.3547, 0.2240



49.1568, 0.3221, 0.2974



9.0441, 0.2260, 0.1564



10.6896, 0.3232, 0.2938



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



13.7856, 0.3547, 0.2240



20.6185, 0.3676, 0.2076



12.6908, 0.4409, 0.2931



7.1714, 0.3174, 0.3124



7.1471, 0.3956, 0.1953



0.1571, 0.3636, 0.1777

Inverse Universe

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



13.7856, 0.3547, 0.2240



20.6185, 0.3676, 0.2076



29.2910, 0.2566, 0.3728



7.1714, 0.3174, 0.3124



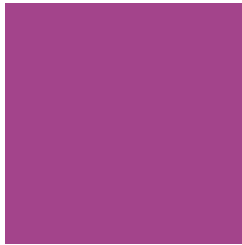
7.1471, 0.3956, 0.1953



0.1571, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 13.7849, 0.3547, 0.2240 looks on a white background.

Color Contrast Check

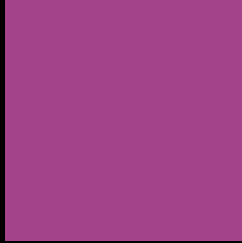
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7849, 0.3547, 0.2240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

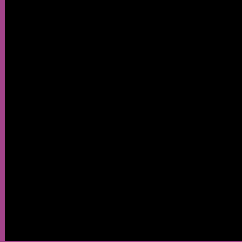
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7849, 0.3547, 0.2240

Background



This preview shows how black text looks on a background with the Yxy color 13.7849, 0.3547, 0.2240.



This preview shows how white text looks on a background with the Yxy color 13.7849, 0.3547, 0.2240.

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

13.7849, 0.3547, 0.2240

Protanopia

13.9614, 0.2234, 0.2087

Deuteranopia

14.0466, 0.2714, 0.2679



Tritanopia

13.8421, 0.4333, 0.3196

Trichromacy



Original Color

13.7849, 0.3547, 0.2240

Protanomaly

13.0276, 0.2585, 0.2093

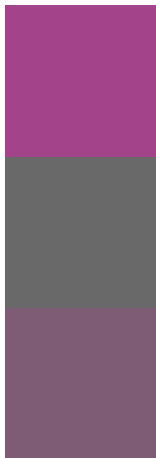
Deuteranomaly

13.1992, 0.2980, 0.2450

Tritanomaly

13.6831, 0.4050, 0.2815

Monochromacy



Original Color

13.7849, 0.3547, 0.2240

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.3743, 0.3286, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7849, 0.3547, 0.2240 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(163, 68, 139)` looks like.

```
.text, #text, p{  
    color:rgb(163, 68, 139)  
}
```

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(163, 68, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 68, 139) }
```

Border

The CSS property to change the border of an element to Yxy 13.7849, 0.3547, 0.2240 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(163, 68, 139) }
```

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

```
.border{ border-color:rgb(163, 68, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 68, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 68, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 68, 139); box-shadow:4px 4px 4px 4px rgb(163, 68, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7849, 0.3547, 0.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 68, 139) }
```

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

```
.background{ background-color: rgb(163, 68,  
139) }
```

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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