

Converting Colors

$Y_{xy}(15.5827, 0.3709, 0.2501)$

Have a look what the booklet for
Yxy(15.5827, 0.3709, 0.2501)
contains.

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Color

Yxy(15.5827, 0.3709, 0.2501)

Conversions

Conversions Part 1

Format	Color
Hex	A84F84
RGB	168, 79, 132
RGB Percent	66%, 31%, 52%
CMY	0.3412, 0.6902, 0.4824
CMYK	0.00, 0.53, 0.21, 0.34
HSL	324°, 36%, 48%
HSV	324°, 53%, 66%
XYZ	23.1093, 15.5827, 23.6139
YIQ	111.6530, 36.0310, 35.3510

Conversions

Conversions Part 2

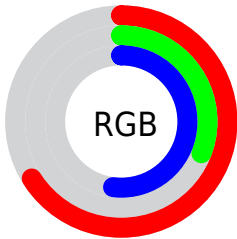
Format	Color
R_{YB}	168, 79, 132
Decimal	11030404
CIE _{Lab}	46.42, 43.01, -12.54
CIE _{LCh}	46, 44.799, 343.749
Yxy	15.5827, 0.3709, 0.2501
Android (android.graphics.Color)	4289220484 (0xFFA84F84)
YUV	111.6530, 10.0311, 49.4163
Hunter-Lab	39.4749, 35.4156, -7.8349

Details

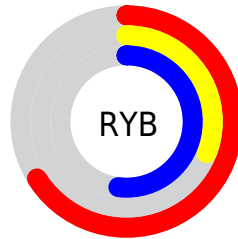
The Yxy color **15.5827, 0.3709, 0.2501** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **30.9082, 0.2809, 0.4272**, and the grayscale version is **16.0589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7429, 0.3578, 0.2669**, and **4.8587, 0.3952, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **13.2782, 0.3873, 0.2381**, and if you desaturate by 10%, it is **18.5133, 0.3562, 0.2642**.

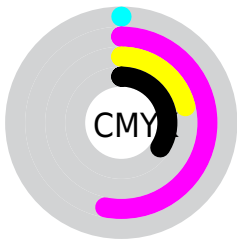
Distribution



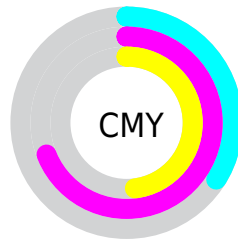
- Red (66%)
- Green (31%)
- Blue (52%)



- Red (66%)
- Yellow (31%)
- Blue (52%)



- Cyan (0%)
- Magenta (53%)
- Yellow (21%)
- Black (34%)




- Cyan (34%)
- Magenta (69%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5827, 0.3709, 0.2501 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 15.5827, 0.3709, 0.2501 by changing the saturation by 10% instead.


 15.5827, 0.3709,
0.2501

 15.5827, 0.3709,
0.2501


226.8666, 0.3379,
0.2940


 9.2294, 0.3807,
0.2375


 35.8722, 0.3578,
0.2672


 4.8911, 0.3944,
0.2202


 50.5772, 0.3533,
0.2733

 2.1835, 0.4149,
0.1952

 68.8348, 0.3495,
0.2783

 0.7110, 0.4494,
0.1543

 91.0295, 0.3464,
0.2824

 0.0000, 0.6020,
0.0000

 117.5456, 0.3438,
0.2860

 0.0000, 0.0000,
0.0000

148.7675, 0.3416,

0.2890

185.0797, 0.3396,
0.2916

■ 15.5827, 0.3709,
0.2501

■ 15.5827, 0.3709,
0.2501

■ 13.2782, 0.3873,
0.2381

■ 18.5133, 0.3562,
0.2642

■ 11.5503, 0.4050,
0.2293

■ 22.1101, 0.3433,
0.2794

■ 10.3455, 0.4235,
0.2249

■ 26.4125, 0.3322,
0.2949

■ 9.5991, 0.4419,
0.2254

■ 31.4563, 0.3228,
0.3102

■ 9.2458, 0.4548,
0.2279

■ 37.2746, 0.3148,
0.3248

■ 43.8988, 0.3082,
0.3386

■ 51.3582, 0.3026,
0.3515

■ 59.6809, 0.2980,
0.3634

■ 68.8936, 0.2942,
0.3743

Harmonies

Analogous

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



15.5827, 0.2796, 0.2121



15.5827, 0.3709, 0.2501



15.5827, 0.4534, 0.3042

Triad

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



15.5827, 0.3709, 0.2501



15.5827, 0.4064, 0.4826



15.5827, 0.1629, 0.2517

Complementary

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



15.5827, 0.3709, 0.2501



30.9082, 0.2809, 0.4272

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.



15.5827, 0.1863, 0.3328



15.5827, 0.3709, 0.2501



15.5827, 0.3243, 0.4924

Square

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



15.5827, 0.3709, 0.2501



15.5827, 0.4686, 0.4301



15.5827, 0.2435, 0.4320



15.5827, 0.1713, 0.2079

Rectangle

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



15.5827, 0.3709, 0.2501



15.5827, 0.4841, 0.3452



15.5827, 0.2435, 0.4320



15.5827, 0.1670, 0.2747

Sweetspot

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



15.5835, 0.3709, 0.2501



53.8883, 0.3257, 0.3051



12.0379, 0.2505, 0.1786



11.3507, 0.3275, 0.3022



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.



15.5835, 0.3709, 0.2501



23.3174, 0.3911, 0.2359



14.6209, 0.4475, 0.3160



7.6144, 0.3197, 0.3156



6.9919, 0.4531, 0.2270



0.1799, 0.3992, 0.1973

Inverse Universe

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



15.5835, 0.3709, 0.2501



23.3174, 0.3911, 0.2359



32.1767, 0.2513, 0.3442



7.6144, 0.3197, 0.3156



6.9919, 0.4531, 0.2270



0.1799, 0.3992, 0.1973

Previews

White Background



This preview shows how the Yxy color 15.5827, 0.3709, 0.2501 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 15.5827, 0.3709, 0.2501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

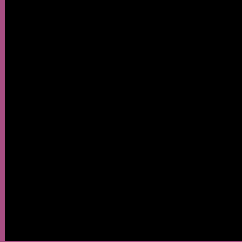
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5827, 0.3709, 0.2501

Background



This preview shows how black text looks on a background with the Yxy color 15.5827, 0.3709, 0.2501.



This preview shows how white text looks on a background with the Yxy color 15.5827, 0.3709, 0.2501.

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

15.5827, 0.3709, 0.2501

Protanopia

15.7786, 0.2513, 0.2455

Deuteranopia

15.7681, 0.2961, 0.2917



Tritanopia

15.5171, 0.4254, 0.3183

Trichromacy



Original Color

15.5827, 0.3709, 0.2501

Protanomaly

14.9907, 0.2875, 0.2442

Deuteranomaly

15.1209, 0.3211, 0.2711

Tritanomaly

15.4227, 0.4048, 0.2918

Monochromacy



Original Color

15.5827, 0.3709, 0.2501

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.3518, 0.3330, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5827, 0.3709, 0.2501 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(168, 79, 132)` looks like.

```
.text, #text, p{  
  color:rgb(168, 79, 132)  
}
```

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(168, 79, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 79, 132) }
```

Border

The CSS property to change the border of an element to Yxy 15.5827, 0.3709, 0.2501 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(168, 79, 132) }
```

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

```
.border{ border-color:rgb(168, 79, 132) }
```

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

Here you see how a box with a 4 pixel rgb(168, 79, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 79, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 79, 132);  
box-shadow:4px 4px 4px 4px rgb(168, 79,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5827, 0.3709, 0.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 79, 132) }
```

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

```
.background{ background-color: rgb(168, 79,  
132) }
```

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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