

Converting Colors

$Y_{xy}(23.9502, 0.3414, 0.2621)$

Have a look what the booklet for
Yxy(23.9502, 0.3414, 0.2621)
contains.

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Color

Yxy(23.9502, 0.3414, 0.2621)

Conversions

Conversions Part 1

Format	Color
Hex	B570A0
RGB	181, 112, 160
RGB Percent	71%, 44%, 63%
CMY	0.2902, 0.5608, 0.3726
CMYK	0.00, 0.38, 0.12, 0.29
HSL	318°, 32%, 57%
HSV	318°, 38%, 71%
XYZ	31.1965, 23.9502, 36.2314
YIQ	138.1030, 25.7160, 29.5560

Conversions

Conversions Part 2

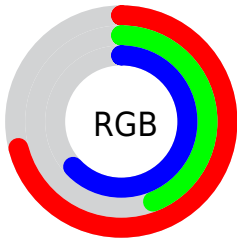
Format	Color
R_{YB}	181, 112, 160
Decimal	11890848
CIE _{Lab}	56.04, 34.39, -14.39
CIE _{LCh}	56, 37.280, 337.296
Yxy	23.9502, 0.3414, 0.2621
Android (android.graphics.Color)	4290080928 (0xFFB570A0)
YUV	138.1030, 10.7952, 37.6207
Hunter-Lab	48.9389, 28.1430, -9.6375

Details

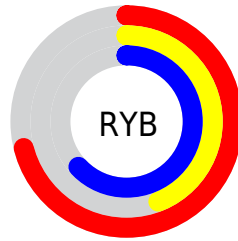
The Yxy color **23.9502, 0.3414, 0.2621** is a light color, and the websafe version is hex **996699**. A complement of this color would be **38.1912, 0.2927, 0.4073**, and the grayscale version is **25.4082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9937, 0.3356, 0.2751**, and **9.0400, 0.3519, 0.2413** is the 20% darker color. If you saturate the color by 10%, you get **20.1616, 0.3517, 0.2452**, and if you desaturate by 10%, it is **28.5524, 0.3323, 0.2799**.

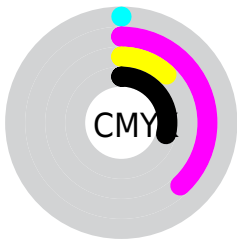
Distribution



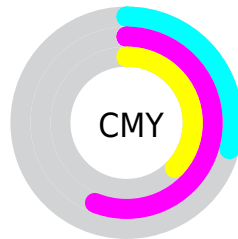
- Red (71%)
- Green (44%)
- Blue (63%)



- Red (71%)
- Yellow (44%)
- Blue (63%)



- Cyan (0%)
- Magenta (38%)
- Yellow (12%)
- Black (29%)




- Cyan (29%)
- Magenta (56%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9502, 0.3414, 0.2621 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 23.9502, 0.3414, 0.2621 by changing the saturation by 10% instead.


 23.9502, 0.3414,
0.2621


 23.9502, 0.3414,
0.2621


272.5686, 0.3264,
0.2973


 15.2967, 0.3454,
0.2528


 49.9489, 0.3358,
0.2753

 9.0279, 0.3506,
0.2404


 68.0629, 0.3337,
0.2801

 4.7594, 0.3577,
0.2234


 90.0992, 0.3320,
0.2842

 2.1068, 0.3680,
0.1987

 116.4421, 0.3305,
0.2876

 0.6684, 0.3855,
0.1565

147.4762, 0.3293,
0.2905

 0.0000, 0.4444,
0.0000

183.5857, 0.3282,

 0.0000, 0.0000,

0.2931

0.0000

225.1550, 0.3272,
0.2953

■ 23.9502, 0.3414,
0.2621

■ 23.9502, 0.3414,
0.2621

■ 20.1616, 0.3517,
0.2452

■ 28.5524, 0.3323,
0.2799

■ 17.1350, 0.3632,
0.2300

■ 34.0096, 0.3243,
0.2978

■ 14.8176, 0.3755,
0.2178

■ 40.3639, 0.3175,
0.3153

■ 13.1487, 0.3883,
0.2093


■ 47.6539, 0.3117,
0.3321


■ 12.0573, 0.4012,
0.2056


■ 55.9160, 0.3068,
0.3478


 11.4287, 0.4138,
0.2063

 65.1844, 0.3027,
0.3625

 11.3282, 0.4162,
0.2066

 75.4919, 0.2993,
0.3760

 85.7096, 0.2965,
0.3866

 85.9790, 0.2936,
0.3801

Harmonies

Analogous

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



23.9502, 0.2765, 0.2357



23.9502, 0.3414, 0.2621



23.9502, 0.4035, 0.3029

Triad

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



23.9502, 0.3414, 0.2621



23.9502, 0.3973, 0.4377



23.9502, 0.2009, 0.2856

Complementary

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



23.9502, 0.3414, 0.2621



38.1912, 0.2927, 0.4073

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.



23.9502, 0.2266, 0.3487



23.9502, 0.3414, 0.2621



23.9502, 0.3386, 0.4468

Square

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



23.9502, 0.3414, 0.2621



23.9502, 0.4354, 0.3999



23.9502, 0.2761, 0.4131



23.9502, 0.2015, 0.2444

Rectangle

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



23.9502, 0.3414, 0.2621



23.9502, 0.4314, 0.3348



23.9502, 0.2761, 0.4131



23.9502, 0.2065, 0.3048

Sweetspot

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



23.9513, 0.3414, 0.2621



68.6257, 0.3195, 0.3100



19.8876, 0.2641, 0.2211



14.5000, 0.3203, 0.3077



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.9513, 0.3414, 0.2621



36.9428, 0.3503, 0.2474



22.9149, 0.3860, 0.3092



8.6018, 0.3182, 0.3133



7.8211, 0.4147, 0.2058



0.2559, 0.3829, 0.1883

Inverse Universe

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



23.9513, 0.3414, 0.2621



36.9428, 0.3503, 0.2474



39.2949, 0.2693, 0.3504



8.6018, 0.3182, 0.3133



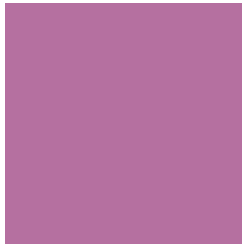
7.8211, 0.4147, 0.2058



0.2559, 0.3829, 0.1883

Previews

White Background



This preview shows how the Yxy color 23.9502, 0.3414, 0.2621 looks on a white background.

Color Contrast Check

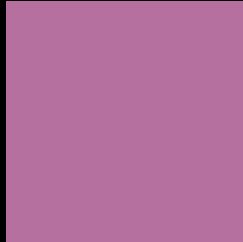
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.9502, 0.3414, 0.2621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

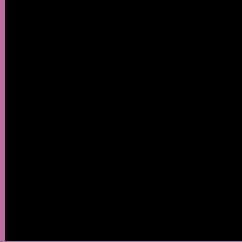
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9502, 0.3414, 0.2621

Background



This preview shows how black text looks on a background with the Yxy color 23.9502, 0.3414, 0.2621.



This preview shows how white text looks on a background with the Yxy color 23.9502, 0.3414, 0.2621.

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

23.9502, 0.3414, 0.2621

Protanopia

24.1553, 0.2641, 0.2611

Deuteranopia

23.9513, 0.2938, 0.2880



Tritanopia

23.8363, 0.3769, 0.3159

Trichromacy



Original Color

23.9502, 0.3414, 0.2621

Protanomaly

23.5893, 0.2885, 0.2591

Deuteranomaly

23.6219, 0.3105, 0.2775

Tritanomaly

23.8198, 0.3632, 0.2957

Monochromacy



Original Color

23.9502, 0.3414, 0.2621

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.6459, 0.3232, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9502, 0.3414, 0.2621 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(181, 112, 160)` looks like.

```
.text, #text, p{  
    color:rgb(181, 112, 160)  
}
```

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(181, 112, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 112, 160) }
```

Border

The CSS property to change the border of an element to Yxy 23.9502, 0.3414, 0.2621 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(181, 112, 160) }
```

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

```
.border{ border-color:rgb(181, 112, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 112, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 112, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 112, 160);  
box-shadow:4px 4px 4px 4px rgb(181, 112,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9502, 0.3414, 0.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 112, 160) }
```

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

```
.background{ background-color: rgb(181,  
112, 160) }
```

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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