

Converting Colors

$Y_{xy}(24.9218, 0.3025, 0.2386)$

Have a look what the booklet for
Yxy(24.9218, 0.3025, 0.2386)
contains.

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Color

Yxy(24.9218, 0.3025, 0.2386)

Conversions

Conversions Part 1

Format	Color
Hex	AA76B7
RGB	170, 118, 183
RGB Percent	67%, 46%, 72%
CMY	0.3335, 0.5372, 0.2824
CMYK	0.07, 0.35, 0.00, 0.28
HSL	288°, 31%, 59%
HSV	288°, 35%, 72%
XYZ	31.5962, 24.9218, 47.9322
YIQ	140.9580, 10.1270, 31.2390

Conversions

Conversions Part 2

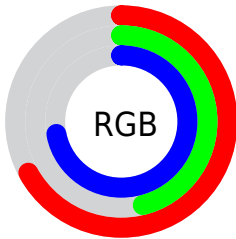
Format	Color
R_{YB}	170, 118, 183
Decimal	11171511
CIE _{Lab}	57.00, 31.71, -26.28
CIE _{LCh}	57, 41.190, 320.351
Yxy	24.9218, 0.3025, 0.2386
Android (android.graphics.Color)	4289361591 (0xFFAA76B7)
YUV	140.9580, 20.7267, 25.4698
Hunter-Lab	49.9217, 25.6121, -21.9818

Details

The Yxy color **24.9218, 0.3025, 0.2386** is a light color, and the websafe version is hex **996699**. A complement of this color would be **39.9940, 0.3184, 0.4307**, and the grayscale version is **26.5334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5266, 0.3054, 0.2558**, and **9.5279, 0.2971, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **20.6197, 0.2984, 0.2132**, and if you desaturate by 10%, it is **30.0734, 0.3061, 0.2647**.

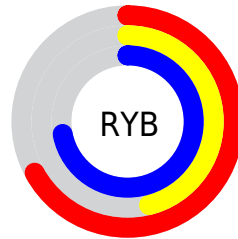
Distribution



Red (67%)

Green (46%)

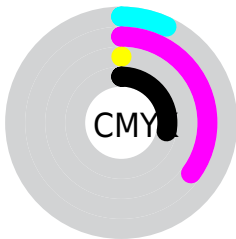
Blue (72%)



Red (67%)

Yellow (46%)

Blue (72%)

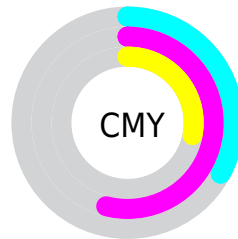


Cyan (7%)

Magenta (35%)

Yellow (0%)

Black (28%)



Cyan (33%)


Magenta (54%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9218, 0.3025, 0.2386 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 24.9218, 0.3025, 0.2386 by changing the saturation by 10% instead.


 24.9218, 0.3025,
0.2386

 24.9218, 0.3025,
0.2386


277.4483, 0.3092,
0.2850


 16.0188, 0.3002,
0.2268


 51.5303, 0.3054,
0.2557

 9.5375, 0.2969,
0.2115


 70.0047, 0.3063,
0.2620

 5.0934, 0.2918,
0.1911


 92.4382, 0.3071,
0.2674

 2.3022, 0.2831,
0.1628

119.2154, 0.3077,
0.2719

 0.7748, 0.2670,
0.1215

150.7206, 0.3082,
0.2759

 0.0000, 0.2258,
0.0000

187.3382, 0.3086,

 0.0000, 0.0000,

0.2793

0.0000

229.4526, 0.3089,
0.2823

■ 24.9218, 0.3025,
0.2386

■ 24.9218, 0.3025,
0.2386

■ 20.6197, 0.2984,
0.2132

■ 30.0734, 0.3061,
0.2647

■ 17.1152, 0.2938,
0.1894

■ 36.1160, 0.3091,
0.2907

■ 14.3559, 0.2889,
0.1684


■ 43.0922, 0.3116,
0.3157

■ 12.2814, 0.2836,
0.1511


■ 51.0409, 0.3136,
0.3395

■ 10.8221, 0.2783,
0.1381


■ 59.9988, 0.3152,
0.3617

 9.8911, 0.2731,
0.1296

 70.0006, 0.3164,
0.3821

 9.5596, 0.2707,
0.1265

 81.0796, 0.3173,
0.4007

 87.1190, 0.3188,
0.4089

 87.6273, 0.3211,
0.4083

Harmonies

Analogous

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



24.9218, 0.2405, 0.2214



24.9218, 0.3025, 0.2386



24.9218, 0.3752, 0.2743

Triad

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



24.9218, 0.3025, 0.2386



24.9218, 0.4312, 0.4250



24.9218, 0.2040, 0.3178

Complementary

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



24.9218, 0.3025, 0.2386



39.9940, 0.3184, 0.4307

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.



24.9218, 0.2465, 0.3926



24.9218, 0.3025, 0.2386



24.9218, 0.3775, 0.4568

Square

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



24.9218, 0.3025, 0.2386



24.9218, 0.4537, 0.3753



24.9218, 0.3099, 0.4484



24.9218, 0.1891, 0.2585

Rectangle

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



24.9218, 0.3025, 0.2386



24.9218, 0.4174, 0.3054



24.9218, 0.3099, 0.4484



24.9218, 0.2152, 0.3424

Sweetspot

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



24.9229, 0.3025, 0.2386



69.8867, 0.3102, 0.3016



23.7998, 0.2525, 0.2474



15.0706, 0.3099, 0.2982



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.



24.9229, 0.3025, 0.2386



38.2103, 0.2992, 0.2176



25.7279, 0.3373, 0.2649



9.0695, 0.3107, 0.3062



6.7000, 0.2713, 0.1268



0.2596, 0.2849, 0.1343

Inverse Universe

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



24.6663, 0.3790, 0.3106



37.7940, 0.4023, 0.3063



39.5006, 0.2949, 0.4033



9.0408, 0.3257, 0.3244



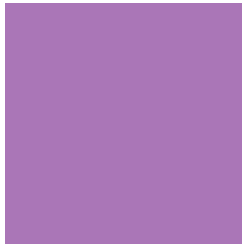
7.1228, 0.6046, 0.3104



0.2599, 0.5349, 0.2720

Previews

White Background



This preview shows how the Yxy color 24.9218, 0.3025, 0.2386 looks on a white background.

Color Contrast Check

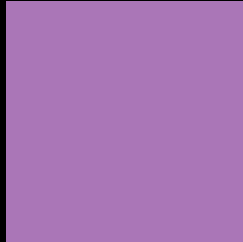
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9218, 0.3025, 0.2386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

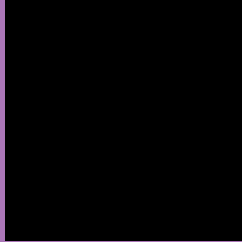
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9218, 0.3025, 0.2386

Background



This preview shows how black text looks on a background with the Yxy color 24.9218, 0.3025, 0.2386.



This preview shows how white text looks on a background with the Yxy color 24.9218, 0.3025, 0.2386.

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

24.9218, 0.3025, 0.2386

Protanopia

25.1650, 0.2440, 0.2353

Deuteranopia

25.1353, 0.2632, 0.2579



Tritanopia

24.7714, 0.3444, 0.3136

Trichromacy



Original Color

24.9218, 0.3025, 0.2386

Protanomaly

24.7805, 0.2627, 0.2361

Deuteranomaly

24.8763, 0.2767, 0.2501

Tritanomaly

24.8554, 0.3289, 0.2841

Monochromacy



Original Color

24.9218, 0.3025, 0.2386

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.8508, 0.3100, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9218, 0.3025, 0.2386 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(170, 118, 183)` looks like.

```
.text, #text, p{  
    color:rgb(170, 118, 183)  
}
```

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(170, 118, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 118, 183) }
```

Border

The CSS property to change the border of an element to Yxy 24.9218, 0.3025, 0.2386 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(170, 118, 183) }
```

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

```
.border{ border-color:rgb(170, 118, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 118, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 118, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 118, 183);  
box-shadow:4px 4px 4px 4px rgb(170, 118,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9218, 0.3025, 0.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 118, 183) }
```

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

```
.background{ background-color: rgb(170,  
118, 183) }
```

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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