

Converting Colors

$Y_{xy}(24.9322, 0.2975, 0.2276)$

Have a look what the booklet for
Yxy(24.9322, 0.2975, 0.2276)
contains.

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Color

Yxy(24.9791, 0.2977, 0.2284)

Conversions

Conversions Part 1

Format	Color
Hex	AC74BE
RGB	172, 116, 190
RGB Percent	67%, 45%, 75%
CMY	0.3254, 0.5451, 0.2548
CMYK	0.09, 0.39, 0.00, 0.25
HSL	285°, 36%, 60%
HSV	285°, 39%, 75%
XYZ	32.5581, 24.9791, 51.8284
YIQ	141.1800, 9.6220, 34.8860

Conversions

Conversions Part 2

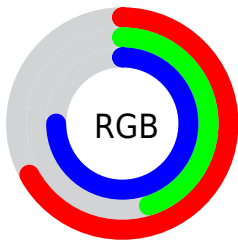
Format	Color
R_{YB}	172, 116, 190
Decimal	11302078
CIE _{Lab}	57.06, 34.95, -30.20
CIE _{LCh}	57, 46.194, 319.171
Yxy	24.9791, 0.2977, 0.2284
Android (android.graphics.Color)	4289492158 (0xFFAC74BE)
YUV	141.1800, 24.0683, 27.0291
Hunter-Lab	49.9791, 28.8177, -26.4984

Details

The Yxy color **24.9791, 0.2977, 0.2284** is a light color, and the websafe version is hex **996699**. A complement of this color would be **43.1601, 0.3212, 0.4415**, and the grayscale version is **26.6120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5853, 0.3010, 0.2466**, and **9.5256, 0.2901, 0.1993** is the 20% darker color. If you saturate the color by 10%, you get **20.5255, 0.2923, 0.2027**, and if you desaturate by 10%, it is **30.3488, 0.3025, 0.2549**.

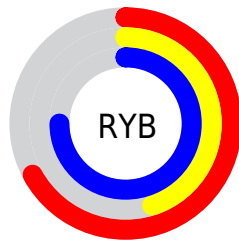
Distribution



Red (67%)

Green (45%)

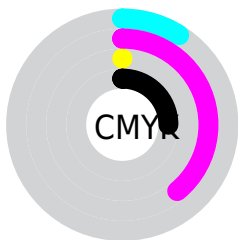
Blue (75%)



Red (67%)

Yellow (45%)

Blue (75%)

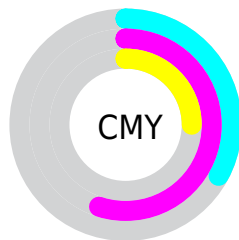


Cyan (9%)

Magenta (39%)

Yellow (0%)

Black (25%)



Cyan (33%)


Magenta (55%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9791, 0.2977, 0.2284 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 24.9791, 0.2977, 0.2284 by changing the saturation by 10% instead.

 24.9791, 0.2977,
0.2284


 24.9791, 0.2977,
0.2284


277.7338, 0.3073,
0.2795


 16.0615, 0.2946,
0.2156


 51.6233, 0.3017,
0.2470

 9.5677, 0.2902,
0.1992


 70.1187, 0.3030,
0.2540

 5.1133, 0.2835,
0.1777


 92.5755, 0.3041,
0.2599

 2.3139, 0.2726,
0.1485

119.3780, 0.3050,
0.2650

 0.7810, 0.2531,
0.1072

150.9107, 0.3057,
0.2693

 0.0000, 0.2142,
0.0000

187.5580, 0.3063,

 0.0000, 0.0000,

0.2731

0.0000

229.7043, 0.3068,
0.2765

■ 24.9791, 0.2977,
0.2284

■ 24.9791, 0.2977,
0.2284

■ 20.5255, 0.2923,
0.2027

■ 30.3488, 0.3025,
0.2549

■ 16.9297, 0.2863,
0.1790

■ 36.6821, 0.3066,
0.2814

■ 14.1315, 0.2800,
0.1583


■ 44.0266, 0.3101,
0.3071


■ 12.0615, 0.2735,
0.1416


■ 52.4262, 0.3130,
0.3315


■ 10.6380, 0.2670,
0.1294


■ 61.9218, 0.3153,
0.3542


 9.7198, 0.2606,
0.1214

 72.5525, 0.3172,
0.3752

 9.6334, 0.2600,
0.1206

 84.3552, 0.3186,
0.3943

 88.7884, 0.3210,
0.3995

 89.4715, 0.3240,
0.3989

Harmonies

Analogous

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



24.9791, 0.2303, 0.2104



24.9791, 0.2977, 0.2284



24.9791, 0.3792, 0.2664

Triad

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



24.9791, 0.2977, 0.2284



24.9791, 0.4452, 0.4317



24.9791, 0.1936, 0.3186

Complementary

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



24.9791, 0.2977, 0.2284



43.1601, 0.3212, 0.4415

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.



24.9791, 0.2408, 0.4041



24.9791, 0.2977, 0.2284



24.9791, 0.3860, 0.4709

Square

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



24.9791, 0.2977, 0.2284



24.9791, 0.4700, 0.3757



24.9791, 0.3112, 0.4659



24.9791, 0.1768, 0.2517

Rectangle

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



24.9791, 0.2977, 0.2284



24.9791, 0.4276, 0.2999



24.9791, 0.3112, 0.4659



24.9791, 0.2060, 0.3465

Sweetspot

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



24.9802, 0.2977, 0.2284



75.2572, 0.3090, 0.2989



24.6179, 0.2463, 0.2417



16.1336, 0.3086, 0.2955



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



24.9802, 0.2977, 0.2284



38.0711, 0.2930, 0.2057



26.3968, 0.3376, 0.2555



9.5763, 0.3100, 0.3061



6.4425, 0.2608, 0.1210



0.2809, 0.2759, 0.1294

Inverse Universe

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



25.1577, 0.3845, 0.3043



38.6113, 0.4096, 0.2990



42.2803, 0.2950, 0.4163



9.5734, 0.3251, 0.3234



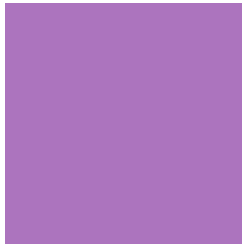
7.4219, 0.5924, 0.3037



0.3014, 0.5229, 0.2654

Previews

White Background



This preview shows how the Yxy color 24.9791, 0.2977, 0.2284 looks on a white background.

Color Contrast Check

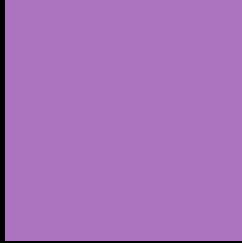
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9791, 0.2977, 0.2284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

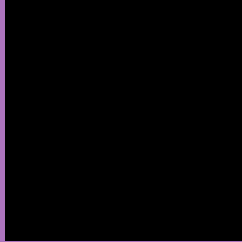
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9791, 0.2977, 0.2284

Background



This preview shows how black text looks on a background with the Yxy color 24.9791, 0.2977, 0.2284.



This preview shows how white text looks on a background with the Yxy color 24.9791, 0.2977, 0.2284.

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

24.9791, 0.2977, 0.2284

Protanopia

25.2464, 0.2345, 0.2235

Deuteranopia

25.0841, 0.2551, 0.2490



Tritanopia

24.8774, 0.3456, 0.3137

Trichromacy



Original Color

24.9791, 0.2977, 0.2284



Protanomaly

24.6768, 0.2530, 0.2231



Deuteranomaly

24.6889, 0.2695, 0.2404



Tritanomaly

24.7817, 0.3279, 0.2800

Monochromacy



Original Color

24.9791, 0.2977, 0.2284



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.6811, 0.3070, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9791, 0.2977, 0.2284 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(172, 116, 190)` looks like.

```
.text, #text, p{  
    color:rgb(172, 116, 190)  
}
```

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(172, 116, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 116, 190) }
```

Border

The CSS property to change the border of an element to Yxy 24.9791, 0.2977, 0.2284 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(172, 116, 190) }
```

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

```
.border{ border-color:rgb(172, 116, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 116, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 116, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 116, 190);  
box-shadow:4px 4px 4px 4px rgb(172, 116,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9791, 0.2977, 0.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 116, 190) }
```

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

```
.background{ background-color: rgb(172,  
116, 190) }
```

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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