

Converting Colors

$Y_{xy}(24.6302, 0.2953, 0.2271)$

Have a look what the booklet for
Yxy(24.6302, 0.2953, 0.2271)
contains.

Yxy(24.7545, 0.2955, 0.2278)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.7545, 0.2955, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	AA74BE
RGB	170, 116, 190
RGB Percent	67%, 45%, 75%
CMY	0.3335, 0.5450, 0.2549
CMYK	0.11, 0.39, 0.00, 0.25
HSL	284°, 36%, 60%
HSV	284°, 39%, 75%
XYZ	32.1113, 24.7545, 51.8019
YIQ	140.5820, 8.4300, 34.4620

Conversions

Conversions Part 2

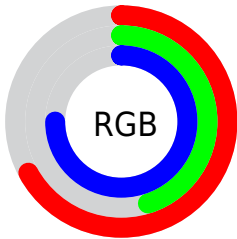
Format	Color
R _Y B	170, 116, 190
Decimal	11171006
CIE Lab	56.84, 34.29, -30.55
CIE LCh	57, 45.929, 318.300
Yxy	24.7545, 0.2955, 0.2278
Android (android.graphics.Color)	4289361086 (0xFFAA74BE)
YUV	140.5820, 24.3631, 25.7996
Hunter-Lab	49.7539, 28.1351, -26.9028

Details

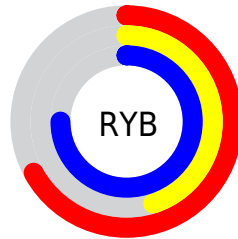
The Yxy color **24.7545, 0.2955, 0.2278** is a light color, and the websafe version is hex **996699**. A complement of this color would be **43.3287, 0.3229, 0.4409**, and the grayscale version is **26.3651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2601, 0.2994, 0.2462**, and **9.3870, 0.2870, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **20.2509, 0.2894, 0.2017**, and if you desaturate by 10%, it is **30.1785, 0.3010, 0.2547**.

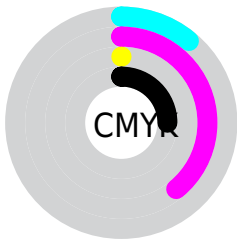
Distribution



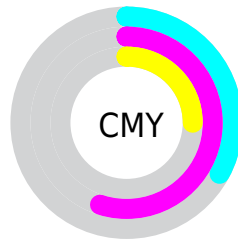
- Red (67%)
- Green (45%)
- Blue (75%)



- Red (67%)
- Yellow (45%)
- Blue (75%)



- Cyan (11%)
- Magenta (39%)
- Yellow (0%)
- Black (25%)





- Cyan (33%)
- Magenta (55%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7545, 0.2955, 0.2278 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 24.7545, 0.2955, 0.2278 by changing the saturation by 10% instead.


 24.7545, 0.2955,
0.2278


 24.7545, 0.2955,
0.2278


276.6131, 0.3062,
0.2792


 15.8942, 0.2921,
0.2149


 51.2587, 0.2999,
0.2466

 9.4493, 0.2872,
0.1984


 69.6714, 0.3014,
0.2536

 5.0354, 0.2799,
0.1767


 92.0370, 0.3027,
0.2596

 2.2681, 0.2681,
0.1471

118.7400, 0.3036,
0.2646

 0.7567, 0.2473,
0.1053

150.1647, 0.3045,
0.2690

 0.0000, 0.2021,
0.0000

186.6955, 0.3052,

 0.0000, 0.0000,

0.2729

0.0000

228.7169, 0.3057,
0.2762

■ 24.7545, 0.2955,
0.2278

■ 24.7545, 0.2955,
0.2278

■ 20.2509, 0.2894,
0.2017

■ 30.1785, 0.3010,
0.2547

■ 16.6093, 0.2826,
0.1775

■ 36.5704, 0.3057,
0.2813

■ 13.7695, 0.2755,
0.1562

■ 43.9779, 0.3097,
0.3071

■ 11.6620, 0.2682,
0.1389

■ 52.4450, 0.3130,
0.3315

■ 10.2051, 0.2609,
0.1262

■ 62.0126, 0.3158,
0.3542

■ 9.2580, 0.2539,
0.1177

■ 72.7199, 0.3180,
0.3751

■ 9.1671, 0.2532,
0.1168

■ 84.6037, 0.3197,
0.3941

■ 89.1067, 0.3224,
0.3992

■ 89.8797, 0.3257,
0.3985

Harmonies

Analogous

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



24.7545, 0.2290, 0.2105



24.7545, 0.2955, 0.2278



24.7545, 0.3768, 0.2653

Triad

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



24.7545, 0.2955, 0.2278



24.7545, 0.4462, 0.4300



24.7545, 0.1948, 0.3210

Complementary

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



24.7545, 0.2955, 0.2278



43.3287, 0.3229, 0.4409

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.



24.7545, 0.2428, 0.4062



24.7545, 0.2955, 0.2278



24.7545, 0.3878, 0.4699

Square

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



24.7545, 0.2955, 0.2278



24.7545, 0.4696, 0.3740



24.7545, 0.3134, 0.4665



24.7545, 0.1772, 0.2534

Rectangle

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



24.7545, 0.2955, 0.2278



24.7545, 0.4255, 0.2984



24.7545, 0.3134, 0.4665



24.7545, 0.2075, 0.3490

Sweetspot

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



24.7555, 0.2955, 0.2278



75.1126, 0.3085, 0.2989



25.3187, 0.2470, 0.2458



16.0986, 0.3080, 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.



24.7555, 0.2955, 0.2278



37.5731, 0.2901, 0.2047



26.4981, 0.3348, 0.2526



9.5628, 0.3096, 0.3061



6.1357, 0.2541, 0.1173



0.2710, 0.2708, 0.1265

Inverse Universe

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



25.2225, 0.3817, 0.3015



38.7256, 0.4059, 0.2955



42.2098, 0.2966, 0.4203



9.5777, 0.3247, 0.3228



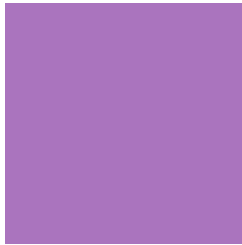
7.4524, 0.5834, 0.2987



0.3033, 0.5129, 0.2599

Previews

White Background



This preview shows how the Yxy color 24.7545, 0.2955, 0.2278 looks on a white background.

Color Contrast Check

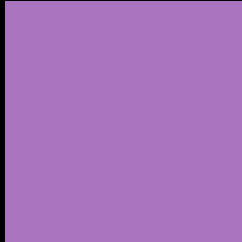
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7545, 0.2955, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

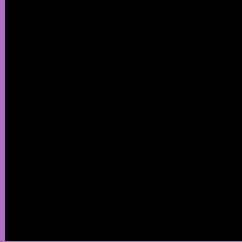
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7545, 0.2955, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 24.7545, 0.2955, 0.2278.



This preview shows how white text looks on a background with the Yxy color 24.7545, 0.2955, 0.2278.

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

24.7545, 0.2955, 0.2278

Protanopia

24.9027, 0.2335, 0.2217

Deuteranopia

25.0107, 0.2543, 0.2489



Tritanopia

24.6663, 0.3432, 0.3135

Trichromacy



Original Color

24.7545, 0.2955, 0.2278

Protanomaly

24.3354, 0.2519, 0.2214

Deuteranomaly

24.5152, 0.2676, 0.2400

Tritanomaly

24.5656, 0.3256, 0.2796

Monochromacy



Original Color

24.7545, 0.2955, 0.2278

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 24.7545, 0.2955, 0.2278 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, 116, 190)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 116, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 116, 190) }
```

Border

The CSS property to change the border of an element to Yxy 24.7545, 0.2955, 0.2278 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, 116, 190) }
```

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

```
.border{ border-color:rgb(170, 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(170, 116, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 116, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 116, 190);  
box-shadow:4px 4px 4px 4px rgb(170, 116,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7545, 0.2955, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 116, 190) }
```

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

```
.background{ background-color: rgb(170,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor