

Converting Colors

$Y_{xy}(24.2216, 0.3226, 0.2686)$

Have a look what the booklet for
Yxy(24.2216, 0.3226, 0.2686)
contains.

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Color

Yxy(24.2216, 0.3226, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	A778A1
RGB	167, 120, 161
RGB Percent	65%, 47%, 63%
CMY	0.3450, 0.5295, 0.3686
CMYK	0.00, 0.28, 0.04, 0.34
HSL	308°, 21%, 56%
HSV	308°, 28%, 66%
XYZ	29.0912, 24.2216, 36.8644
YIQ	138.7270, 14.8510, 22.7150

Conversions

Conversions Part 2

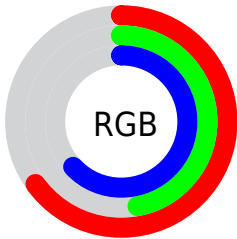
Format	Color
R _Y B	167, 120, 161
Decimal	10975393
CIE Lab	56.31, 25.28, -14.72
CIE LCh	56, 29.258, 329.785
Yxy	24.2216, 0.3226, 0.2686
Android (android.graphics.Color)	4289165473 (0xFFA778A1)
YUV	138.7270, 10.9806, 24.7954
Hunter-Lab	49.2154, 19.3840, -9.9599

Details

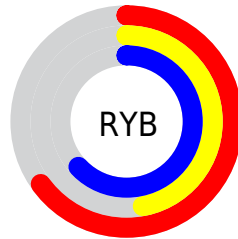
The Yxy color **24.2216, 0.3226, 0.2686** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.1476, 0.3042, 0.3980**, and the grayscale version is **25.6622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5330, 0.3210, 0.2808**, and **9.1880, 0.3252, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **20.4751, 0.3269, 0.2472**, and if you desaturate by 10%, it is **28.6724, 0.3187, 0.2904**.

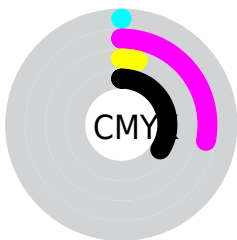
Distribution



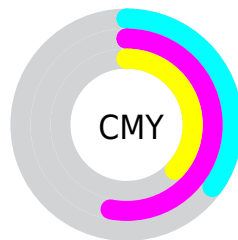
- Red (65%)
- Green (47%)
- Blue (63%)



- Red (65%)
- Yellow (47%)
- Blue (63%)



- Cyan (0%)
- Magenta (28%)
- Yellow (4%)
- Black (34%)





- Cyan (35%)
- Magenta (53%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2216, 0.3226, 0.2686 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 24.2216, 0.3226, 0.2686 by changing the saturation by 10% instead.


 24.2216, 0.3226,
0.2686

 24.2216, 0.3226,
0.2686


273.9389, 0.3178,
0.3006

 15.4981, 0.3237,
0.2600


 50.3916, 0.3209,
0.2806

 9.1697, 0.3251,
0.2487


 68.6068, 0.3202,
0.2850

 4.8520, 0.3268,
0.2329


 90.7548, 0.3197,
0.2887

 2.1607, 0.3288,
0.2097

117.2198, 0.3192,
0.2918

 0.6984, 0.3315,
0.1700

148.3864, 0.3188,
0.2945

 0.0000, 0.2813,
0.0000

184.6388, 0.3184,

 0.0000, 0.0000,

0.2968

0.0000

226.3615, 0.3181,
0.2988

■ 24.2216, 0.3226,
0.2686

■ 24.2216, 0.3226,
0.2686

■ 20.4751, 0.3269,
0.2472

■ 28.6724, 0.3187,
0.2904

■ 17.3931, 0.3315,
0.2271

■ 33.8579, 0.3152,
0.3119

■ 14.9371, 0.3363,
0.2092

■ 39.8108, 0.3122,
0.3328

■ 13.0632, 0.3412,
0.1944

■ 46.5609, 0.3095,
0.3525

■ 11.7218, 0.3460,
0.1834

■ 54.1363, 0.3072,
0.3710

■ 10.8550, 0.3506,
0.1766

■ 62.5638, 0.3053,
0.3881

■ 10.3622, 0.3550,
0.1738

■ 71.8690, 0.3036,
0.4038

■ 10.2834, 0.3558,
0.1734

■ 82.0763, 0.3022,
0.4182

■ 83.0444, 0.3010,
0.4169

Harmonies

Analogous

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



24.2216, 0.2732, 0.2507



24.2216, 0.3226, 0.2686



24.2216, 0.3729, 0.2998

Triad

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



24.2216, 0.3226, 0.2686



24.2216, 0.3900, 0.4099



24.2216, 0.2265, 0.3075

Complementary

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



24.2216, 0.3226, 0.2686



33.1476, 0.3042, 0.3980

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.



24.2216, 0.2532, 0.3580



24.2216, 0.3226, 0.2686



24.2216, 0.3470, 0.4213

Square

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



24.2216, 0.3226, 0.2686



24.2216, 0.4130, 0.3783



24.2216, 0.2968, 0.4025



24.2216, 0.2212, 0.2691

Rectangle

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



24.2216, 0.3226, 0.2686



24.2216, 0.3985, 0.3252



24.2216, 0.2968, 0.4025



24.2216, 0.2331, 0.3237

Sweetspot

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



24.2227, 0.3226, 0.2686



60.6314, 0.3152, 0.3120



20.6174, 0.2703, 0.2508



13.2447, 0.3157, 0.3089



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.



24.2227, 0.3226, 0.2686



38.8954, 0.3253, 0.2547



23.4847, 0.3499, 0.3015



7.6498, 0.3156, 0.3095



7.8708, 0.3554, 0.1732



0.1959, 0.3425, 0.1661

Inverse Universe

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



24.2227, 0.3226, 0.2686



38.8954, 0.3253, 0.2547



33.8109, 0.2861, 0.3584



7.6498, 0.3156, 0.3095



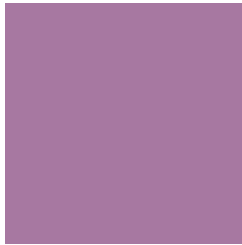
7.8708, 0.3554, 0.1732



0.1959, 0.3425, 0.1661

Previews

White Background



This preview shows how the Yxy color 24.2216, 0.3226, 0.2686 looks on a white background.

Color Contrast Check

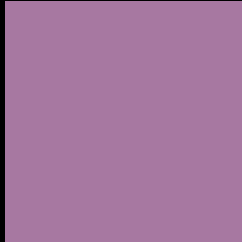
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2216, 0.3226, 0.2686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

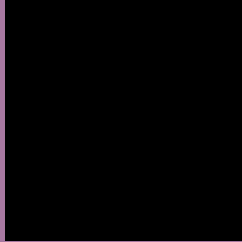
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2216, 0.3226, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 24.2216, 0.3226, 0.2686.



This preview shows how white text looks on a background with the Yxy color 24.2216, 0.3226, 0.2686.

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

24.2216, 0.3226, 0.2686

Protanopia

24.4261, 0.2694, 0.2688

Deuteranopia

24.3241, 0.2909, 0.2850



Tritanopia

24.3090, 0.3485, 0.3136

Trichromacy



Original Color

24.2216, 0.3226, 0.2686

Protanomaly

24.1533, 0.2873, 0.2689

Deuteranomaly

24.2723, 0.3017, 0.2786

Tritanomaly

24.1789, 0.3394, 0.2970

Monochromacy



Original Color

24.2216, 0.3226, 0.2686

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.9987, 0.3161, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2216, 0.3226, 0.2686 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(167, 120, 161)` looks like.

```
.text, #text, p{  
    color:rgb(167, 120, 161)  
}
```

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(167, 120, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 120, 161) }
```

Border

The CSS property to change the border of an element to Yxy 24.2216, 0.3226, 0.2686 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(167, 120, 161) }
```

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

```
.border{ border-color:rgb(167, 120, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 120, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 120, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 120, 161);  
box-shadow:4px 4px 4px 4px rgb(167, 120,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2216, 0.3226, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 120, 161) }
```

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

```
.background{ background-color: rgb(167,  
120, 161) }
```

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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