

Converting Colors

$Y_{xy}(24.6868, 0.3156, 0.2672)$

Have a look what the booklet for
Yxy(24.6868, 0.3156, 0.2672)
contains.

Yxy(24.7388, 0.3156, 0.2683)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.7388, 0.3156, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	A47BA4
RGB	164, 123, 164
RGB Percent	64%, 48%, 64%
CMY	0.3567, 0.5177, 0.3568
CMYK	0.00, 0.25, 0.00, 0.36
HSL	300°, 18%, 56%
HSV	300°, 25%, 64%
XYZ	29.1001, 24.7388, 38.3668
YIQ	139.9330, 11.2750, 21.4430

Conversions

Conversions Part 2

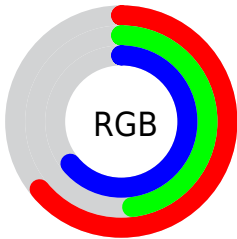
Format	Color
RYB	164, 123, 164
Decimal	10779556
CIELab	56.82, 23.11, -15.71
CIElCh	57, 27.949, 325.796
Yxy	24.7388, 0.3156, 0.2683
Android (android.graphics.Color)	4288969636 (0xFFA47BA4)
YUV	139.9330, 11.8650, 21.1068
Hunter-Lab	49.7381, 17.3928, -10.9182

Details

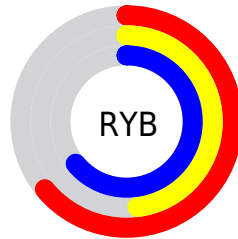
The Yxy color $24.7388, 0.3156, 0.2683$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $32.2056, 0.3094, 0.3982$, and the grayscale version is $26.1494, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.2252, 0.3150, 0.2805$, and $9.5122, 0.3164, 0.2497$ is the 20% darker color. If you saturate the color by 10%, you get $21.0054, 0.3167, 0.2443$, and if you desaturate by 10%, it is $29.1563, 0.3144, 0.2928$.

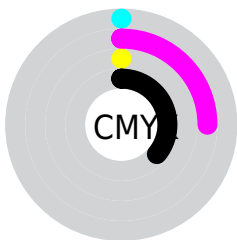
Distribution



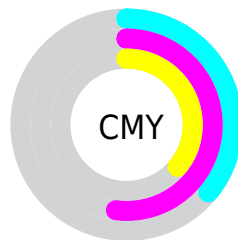
- Red (64%)
- Green (48%)
- Blue (64%)



- Red (64%)
- Yellow (48%)
- Blue (64%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (36%)




- Cyan (36%)
- Magenta (52%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7388, 0.3156, 0.2683 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 24.7388, 0.3156, 0.2683 by changing the saturation by 10% instead.


 24.7388, 0.3156,
0.2683


 24.7388, 0.3156,
0.2683


276.5346, 0.3146,
0.3003


 15.8826, 0.3157,
0.2597


 51.2332, 0.3154,
0.2804

 9.4411, 0.3156,
0.2484


 69.6401, 0.3152,
0.2848

 5.0300, 0.3152,
0.2327


 91.9993, 0.3151,
0.2884

 2.2649, 0.3139,
0.2098

118.6953, 0.3150,
0.2915

 0.7550, 0.3105,
0.1720

150.1125, 0.3149,
0.2942

 0.0000, 0.2431,
0.0000

186.6351, 0.3148,

 0.0000, 0.0000,

0.2965

0.0000

228.6477, 0.3147,
0.2985

■ 24.7388, 0.3156,
0.2683

■ 24.7388, 0.3156,
0.2683

■ 21.0054, 0.3167,
0.2443

■ 29.1563, 0.3144,
0.2928

■ 17.9189, 0.3178,
0.2217

■ 34.2862, 0.3133,
0.3171

■ 15.4435, 0.3188,
0.2014

■ 40.1593, 0.3122,
0.3405

■ 13.5386, 0.3196,
0.1842

■ 46.8035, 0.3111,
0.3628

■ 12.1586, 0.3203,
0.1708

■ 54.2452, 0.3101,
0.3836

■ 11.2513, 0.3207,
0.1615

■ 62.5099, 0.3092,
0.4028

■ 10.7513, 0.3210,
0.1562

■ 71.6215, 0.3084,
0.4203

■ 10.5740, 0.3211,
0.1543

■ 81.6032, 0.3076,
0.4363

■ 82.1015, 0.3076,
0.4370

Harmonies

Analogous

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



24.7388, 0.2698, 0.2532



24.7388, 0.3156, 0.2683



24.7388, 0.3641, 0.2967

Triad

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



24.7388, 0.3156, 0.2683



24.7388, 0.3905, 0.4029



24.7388, 0.2329, 0.3148

Complementary

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



24.7388, 0.3156, 0.2683



32.2056, 0.3094, 0.3982

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.



24.7388, 0.2610, 0.3629



24.7388, 0.3156, 0.2683



24.7388, 0.3516, 0.4165

Square

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



24.7388, 0.3156, 0.2683



24.7388, 0.4088, 0.3715



24.7388, 0.3041, 0.4025



24.7388, 0.2249, 0.2761

Rectangle

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



24.7388, 0.3156, 0.2683



24.7388, 0.3900, 0.3206



24.7388, 0.3041, 0.4025



24.7388, 0.2401, 0.3305

Sweetspot

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



24.7399, 0.3156, 0.2683



59.1524, 0.3136, 0.3096



21.0542, 0.2708, 0.2598



12.6326, 0.3138, 0.3061



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



24.7399, 0.3156, 0.2683



40.9825, 0.3162, 0.2549



24.0580, 0.3389, 0.2976



7.2021, 0.3138, 0.3069



8.1033, 0.3211, 0.1543



0.1703, 0.3210, 0.1542

Inverse Universe

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



24.7399, 0.3156, 0.2683



40.9825, 0.3162, 0.2549



32.7739, 0.2927, 0.3628



7.2021, 0.3138, 0.3069



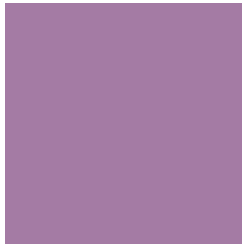
8.1033, 0.3211, 0.1543



0.1703, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 24.7388, 0.3156, 0.2683 looks on a white background.

Color Contrast Check

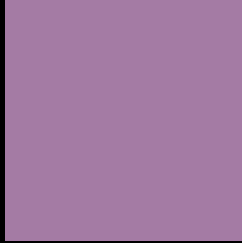
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7388, 0.3156, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

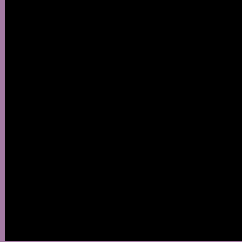
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7388, 0.3156, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 24.7388, 0.3156, 0.2683.



This preview shows how white text looks on a background with the Yxy color 24.7388, 0.3156, 0.2683.

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

24.7388, 0.3156, 0.2683

Protanopia

24.8185, 0.2697, 0.2692

Deuteranopia

24.7021, 0.2881, 0.2822



Tritanopia

24.7469, 0.3395, 0.3134

Trichromacy



Original Color

24.7388, 0.3156, 0.2683

Protanomaly

24.6726, 0.2846, 0.2691

Deuteranomaly

24.5479, 0.2976, 0.2757

Tritanomaly

24.6054, 0.3307, 0.2967

Monochromacy



Original Color

24.7388, 0.3156, 0.2683

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.6097, 0.3138, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7388, 0.3156, 0.2683 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(164, 123, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 123, 164)  
}
```

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(164, 123, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 123, 164) }
```

Border

The CSS property to change the border of an element to Yxy 24.7388, 0.3156, 0.2683 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(164, 123, 164) }
```

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

```
.border{ border-color:rgb(164, 123, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 123, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 123, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 123, 164); box-shadow:4px 4px 4px 4px rgb(164, 123, 164) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7388, 0.3156, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 123, 164) }
```

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

```
.background{ background-color: rgb(164,  
123, 164) }
```

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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