

Converting Colors

$Y_{xy}(24.4009, 0.3249, 0.2659)$

Have a look what the booklet for
Yxy(24.4009, 0.3249, 0.2659)
contains.

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Color

Yxy(24.3483, 0.3250, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	AA77A2
RGB	170, 119, 162
RGB Percent	67%, 47%, 64%
CMY	0.3334, 0.5333, 0.3647
CMYK	0.00, 0.30, 0.05, 0.33
HSL	309°, 23%, 57%
HSV	309°, 30%, 67%
XYZ	29.6930, 24.3483, 37.3219
YIQ	139.1510, 16.5930, 24.1850

Conversions

Conversions Part 2

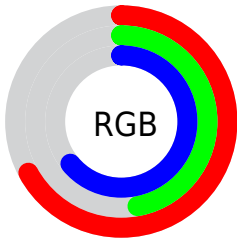
Format	Color
RYB	170, 119, 162
Decimal	11171746
CIELab	56.43, 27.05, -15.08
CIELCh	56, 30.968, 330.858
Yxy	24.3483, 0.3250, 0.2665
Android (android.graphics.Color)	4289361826 (0xFFAA77A2)
YUV	139.1510, 11.2646, 27.0546
Hunter-Lab	49.3440, 21.0615, -10.3039

Details

The Yxy color **24.3483, 0.3250, 0.2665** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.1960, 0.3025, 0.4008**, and the grayscale version is **25.8314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6836, 0.3228, 0.2790**, and **9.2880, 0.3289, 0.2475** is the 20% darker color. If you saturate the color by 10%, you get **20.5648, 0.3301, 0.2458**, and if you desaturate by 10%, it is **28.8595, 0.3204, 0.2877**.

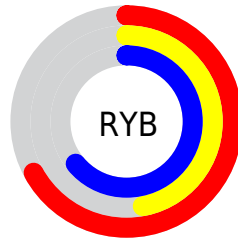
Distribution



Red (67%)

Green (47%)

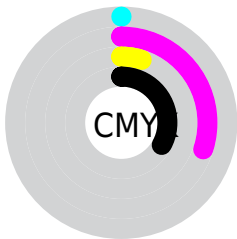
Blue (64%)



Red (67%)

Yellow (47%)

Blue (64%)

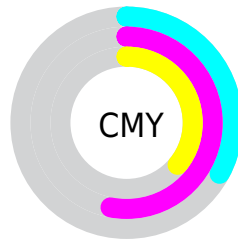


Cyan (0%)

Magenta (30%)

Yellow (5%)

Black (33%)



Cyan (33%)


Magenta (53%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3483, 0.3250, 0.2665 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 24.3483, 0.3250, 0.2665 by changing the saturation by 10% instead.


 24.3483, 0.3250,
0.2665


 24.3483, 0.3250,
0.2665


274.5767, 0.3189,
0.2995


 15.5922, 0.3265,
0.2577


 50.5980, 0.3228,
0.2789

 9.2360, 0.3283,
0.2461


 68.8603, 0.3220,
0.2834

 4.8955, 0.3306,
0.2300


 91.0602, 0.3213,
0.2872

 2.1861, 0.3335,
0.2064

117.5821, 0.3207,
0.2904

 0.7124, 0.3376,
0.1669

148.8102, 0.3201,
0.2932

 0.0000, 0.3134,
0.0000

185.1291, 0.3197,

 0.0000, 0.0000,

0.2955

0.0000

226.9231, 0.3193,
0.2976

■ 24.3483, 0.3250,
0.2665

■ 24.3483, 0.3250,
0.2665

■ 20.5648, 0.3301,
0.2458

■ 28.8595, 0.3204,
0.2877

■ 17.4673, 0.3356,
0.2265

■ 34.1310, 0.3163,
0.3087

■ 15.0146, 0.3414,
0.2094

■ 40.1971, 0.3127,
0.3290

■ 13.1600, 0.3474,
0.1956

■ 47.0893, 0.3096,
0.3484

■ 11.8502, 0.3533,
0.1857

■ 54.8372, 0.3069,
0.3664

■ 11.0228, 0.3591,
0.1802

■ 63.4690, 0.3047,
0.3832

■ 10.5399, 0.3645,
0.1782

■ 73.0117, 0.3028,
0.3987

■ 10.5391, 0.3645,
0.1782

■ 83.4909, 0.3011,
0.4128

■ 83.6057, 0.2998,
0.4096

Harmonies

Analogous

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



24.3483, 0.2726, 0.2472



24.3483, 0.3250, 0.2665



24.3483, 0.3780, 0.2995

Triad

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



24.3483, 0.3250, 0.2665



24.3483, 0.3927, 0.4150



24.3483, 0.2214, 0.3042

Complementary

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



24.3483, 0.3250, 0.2665



34.1960, 0.3025, 0.4008

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.



24.3483, 0.2485, 0.3577



24.3483, 0.3250, 0.2665



24.3483, 0.3467, 0.4267

Square

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



24.3483, 0.3250, 0.2665



24.3483, 0.4182, 0.3819



24.3483, 0.2939, 0.4058



24.3483, 0.2168, 0.2646

Rectangle

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



24.3483, 0.3250, 0.2665



24.3483, 0.4046, 0.3262



24.3483, 0.2939, 0.4058



24.3483, 0.2280, 0.3212

Sweetspot

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



24.3494, 0.3250, 0.2665



62.7925, 0.3160, 0.3104



20.5840, 0.2687, 0.2452



13.6767, 0.3165, 0.3075



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.3494, 0.3250, 0.2665



39.4687, 0.3283, 0.2526



23.5422, 0.3552, 0.3022



7.6462, 0.3160, 0.3102



7.7616, 0.3640, 0.1779



0.1941, 0.3477, 0.1689

Inverse Universe

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



24.3494, 0.3250, 0.2665



39.4687, 0.3283, 0.2526



34.9358, 0.2833, 0.3578



7.6462, 0.3160, 0.3102



7.7616, 0.3640, 0.1779



0.1941, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 24.3483, 0.3250, 0.2665 looks on a white background.

Color Contrast Check

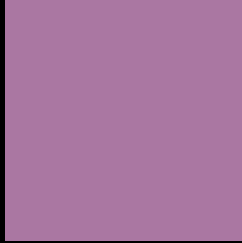
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3483, 0.3250, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

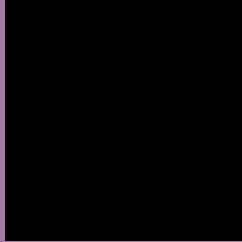
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3483, 0.3250, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 24.3483, 0.3250, 0.2665.



This preview shows how white text looks on a background with the Yxy color 24.3483, 0.3250, 0.2665.

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

24.3483, 0.3250, 0.2665

Protanopia

24.5029, 0.2678, 0.2659

Deuteranopia

24.3590, 0.2900, 0.2835



Tritanopia

24.2435, 0.3524, 0.3137

Trichromacy



Original Color

24.3483, 0.3250, 0.2665

Protanomaly

24.3159, 0.2865, 0.2662

Deuteranomaly

24.1415, 0.3018, 0.2758

Tritanomaly

24.1482, 0.3421, 0.2957

Monochromacy



Original Color

24.3483, 0.3250, 0.2665

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.0931, 0.3172, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3483, 0.3250, 0.2665 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, 119, 162)` looks like.

```
.text, #text, p{  
    color:rgb(170, 119, 162)  
}
```

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, 119, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 119, 162) }
```

Border

The CSS property to change the border of an element to Yxy 24.3483, 0.3250, 0.2665 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, 119, 162) }
```

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

```
.border{ border-color:rgb(170, 119, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 119, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 119, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 119, 162); box-shadow:4px 4px 4px 4px rgb(170, 119, 162) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3483, 0.3250, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 119, 162) }
```

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

```
.background{ background-color: rgb(170,  
119, 162) }
```

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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