

Converting Colors

$Y_{xy}(23.6437, 0.3280, 0.2497)$

Have a look what the booklet for
Yxy(23.6437, 0.3280, 0.2497)
contains.

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Color

Yxy(23.6610, 0.3284, 0.2497)

Conversions

Conversions Part 1

Format	Color
Hex	B26FA8
RGB	178, 111, 168
RGB Percent	70%, 44%, 66%
CMY	0.3018, 0.5648, 0.3411
CMYK	0.00, 0.38, 0.06, 0.30
HSL	309°, 30%, 57%
HSV	309°, 38%, 70%
XYZ	31.1184, 23.6610, 39.9783
YIQ	137.5310, 21.6350, 31.9310

Conversions

Conversions Part 2

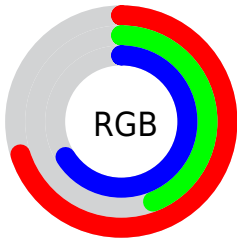
Format	Color
RYB	178, 111, 168
Decimal	11693992
CIELab	55.75, 35.36, -19.51
CIELCh	56, 40.385, 331.108
Yxy	23.6610, 0.3284, 0.2497
Android (android.graphics.Color)	4289884072 (0xFFB26FA8)
YUV	137.5310, 15.0212, 35.4913
Hunter-Lab	48.6426, 29.0685, -14.6794

Details

The Yxy color **23.6610, 0.3284, 0.2497** is a light color, and the websafe version is hex **996699**. A complement of this color would be **36.6124, 0.3004, 0.4241**, and the grayscale version is **25.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5408, 0.3262, 0.2655**, and **8.8835, 0.3320, 0.2245** is the 20% darker color. If you saturate the color by 10%, you get **20.0589, 0.3336, 0.2298**, and if you desaturate by 10%, it is **28.0414, 0.3236, 0.2708**.

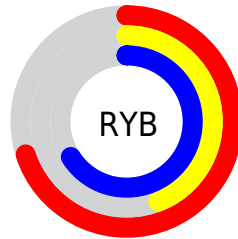
Distribution



Red (70%)

Green (44%)

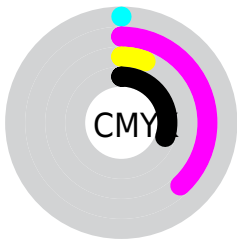
Blue (66%)



Red (70%)

Yellow (44%)

Blue (66%)

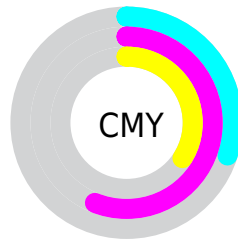


Cyan (0%)

Magenta (38%)

Yellow (6%)

Black (30%)



Cyan (30%)


Magenta (56%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6610, 0.3284, 0.2497 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 23.6610, 0.3284, 0.2497 by changing the saturation by 10% instead.

 23.6610, 0.3284,
0.2497


 23.6610, 0.3284,
0.2497


271.1021, 0.3209,
0.2910


 15.0823, 0.3301,
0.2389


 49.4764, 0.3258,
0.2651


 8.8772, 0.3322,
0.2248


 67.4820, 0.3247,
0.2707

 4.6612, 0.3347,
0.2056


 89.3987, 0.3239,
0.2755

 2.0499, 0.3375,
0.1782

 115.6108, 0.3231,
0.2795

 0.6362, 0.3413,
0.1327

146.5028, 0.3224,
0.2830

 0.0000, 0.3280,
0.0000

182.4591, 0.3218,

 0.0000, 0.0000,

0.2860

0.0000

223.8641, 0.3213,
0.2887

■ 23.6610, 0.3284,
0.2497

■ 23.6610, 0.3284,
0.2497

■ 20.0589, 0.3336,
0.2298

■ 28.0414, 0.3236,
0.2708

■ 17.1858, 0.3392,
0.2120

■ 33.2395, 0.3192,
0.2922

■ 14.9914, 0.3449,
0.1973

■ 39.2956, 0.3153,
0.3133

■ 13.4180, 0.3506,
0.1864


■ 46.2466, 0.3120,
0.3337

■ 12.3982, 0.3561,
0.1799


■ 54.1270, 0.3090,
0.3529


 11.8278, 0.3613,
0.1775

 62.9698, 0.3065,
0.3710

 11.7169, 0.3626,
0.1771

 72.8062, 0.3044,
0.3876

 83.6659, 0.3026,
0.4029

 84.7925, 0.3012,
0.4013

Harmonies

Analogous

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



23.6610, 0.2606, 0.2254



23.6610, 0.3284, 0.2497



23.6610, 0.3991, 0.2905

Triad

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



23.6610, 0.3284, 0.2497



23.6610, 0.4144, 0.4394



23.6610, 0.1956, 0.2938

Complementary

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



23.6610, 0.3284, 0.2497



36.6124, 0.3004, 0.4241

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.



23.6610, 0.2285, 0.3657



23.6610, 0.3284, 0.2497



23.6610, 0.3539, 0.4591

Square

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



23.6610, 0.3284, 0.2497



23.6610, 0.4498, 0.3939



23.6610, 0.2857, 0.4327



23.6610, 0.1908, 0.2441

Rectangle

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



23.6610, 0.3284, 0.2497



23.6610, 0.4343, 0.3236



23.6610, 0.2857, 0.4327



23.6610, 0.2035, 0.3161

Sweetspot

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



23.6621, 0.3284, 0.2497



67.1743, 0.3167, 0.3059



18.5691, 0.2536, 0.2195



14.5538, 0.3172, 0.3031



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.6621, 0.3284, 0.2497



37.4864, 0.3326, 0.2334



22.5998, 0.3694, 0.2933



8.6245, 0.3160, 0.3098



8.3877, 0.3620, 0.1768



0.2698, 0.3489, 0.1696

Inverse Universe

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



23.6621, 0.3284, 0.2497



37.4864, 0.3326, 0.2334



37.5466, 0.2774, 0.3685



8.6245, 0.3160, 0.3098



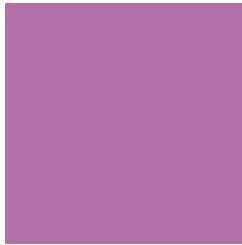
8.3877, 0.3620, 0.1768



0.2698, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 23.6610, 0.3284, 0.2497 looks on a white background.

Color Contrast Check

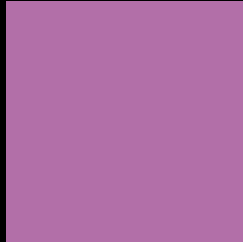
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6610, 0.3284, 0.2497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

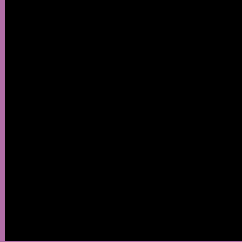
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6610, 0.3284, 0.2497

Background



This preview shows how black text looks on a background with the Yxy color 23.6610, 0.3284, 0.2497.



This preview shows how white text looks on a background with the Yxy color 23.6610, 0.3284, 0.2497.

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

23.6610, 0.3284, 0.2497

Protanopia

23.8852, 0.2525, 0.2461

Deuteranopia

23.8185, 0.2810, 0.2751



Tritanopia

23.6364, 0.3703, 0.3156

Trichromacy



Original Color

23.6610, 0.3284, 0.2497

Protanomaly

23.2051, 0.2758, 0.2456

Deuteranomaly

23.5215, 0.2977, 0.2653

Tritanomaly

23.5879, 0.3544, 0.2895

Monochromacy



Original Color

23.6610, 0.3284, 0.2497

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.3806, 0.3189, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6610, 0.3284, 0.2497 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(178, 111, 168)` looks like.

```
.text, #text, p{  
    color:rgb(178, 111, 168)  
}
```

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(178, 111, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 111, 168) }
```

Border

The CSS property to change the border of an element to Yxy 23.6610, 0.3284, 0.2497 is called "border". The border property can be set on classes, ids or directly on the HTML element.

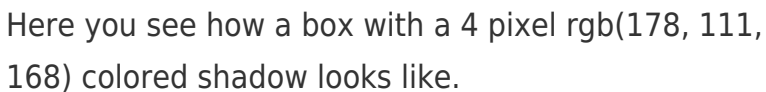
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 111, 168) }
```

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

```
.border{ border-color:rgb(178, 111, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 111, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 111, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 111, 168); box-shadow:4px 4px 4px 4px rgb(178, 111, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6610, 0.3284, 0.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 111, 168) }
```

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

```
.background{ background-color: rgb(178,  
111, 168) }
```

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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