

Converting Colors

$Y_{xy}(23.6428, 0.3195, 0.2344)$

Have a look what the booklet for
Yxy(23.6428, 0.3195, 0.2344)
contains.

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Color

Yxy(23.6428, 0.3195, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	B46CB2
RGB	180, 108, 178
RGB Percent	71%, 42%, 70%
CMY	0.2940, 0.5765, 0.3019
CMYK	0.00, 0.40, 0.01, 0.29
HSL	302°, 32%, 56%
HSV	302°, 40%, 71%
XYZ	32.2264, 23.6428, 44.9960
YIQ	137.5080, 20.4420, 37.0340

Conversions

Conversions Part 2

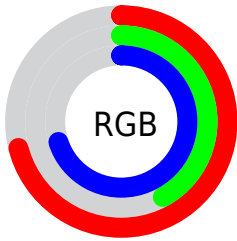
Format	Color
RYB	180, 108, 178
Decimal	11824306
CIELab	55.73, 39.48, -25.30
CIELCh	56, 46.892, 327.346
Yxy	23.6428, 0.3195, 0.2344
Android (android.graphics.Color)	4290014386 (0xFFB46CB2)
YUV	137.5080, 19.9626, 37.2655
Hunter-Lab	48.6239, 33.2126, -20.8296

Details

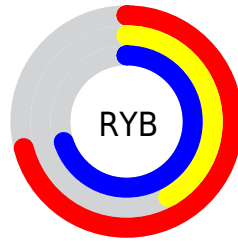
The Yxy color **23.6428, 0.3195, 0.2344** is a light color, and the websafe version is hex **996699**. A complement of this color would be **36.9648, 0.3057, 0.4462**, and the grayscale version is **25.1361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4348, 0.3189, 0.2522**, and **8.9424, 0.3202, 0.2072** is the 20% darker color. If you saturate the color by 10%, you get **20.2111, 0.3213, 0.2131**, and if you desaturate by 10%, it is **27.8606, 0.3177, 0.2575**.

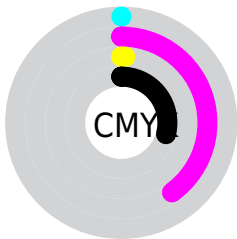
Distribution



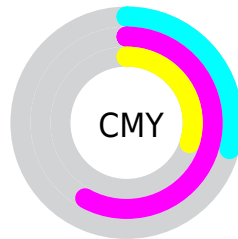
- Red (71%)
- Green (42%)
- Blue (70%)



- Red (71%)
- Yellow (42%)
- Blue (70%)



- Cyan (0%)
- Magenta (40%)
- Yellow (1%)
- Black (29%)





- Cyan (29%)
- Magenta (58%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6428, 0.3195, 0.2344 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 23.6428, 0.3195, 0.2344 by changing the saturation by 10% instead.


 23.6428, 0.3195,
0.2344


 23.6428, 0.3195,
0.2344


271.0096, 0.3173,
0.2829


 15.0689, 0.3196,
0.2220


 49.4467, 0.3190,
0.2523

 8.8677, 0.3194,
0.2060


 67.4454, 0.3187,
0.2589

 4.6550, 0.3185,
0.1848


 89.3545, 0.3184,
0.2645

 2.0463, 0.3158,
0.1553

 115.5584, 0.3182,
0.2693

 0.6342, 0.3097,
0.1095

146.4414, 0.3179,
0.2734

 0.0000, 0.2860,
0.0000

182.3881, 0.3177,

 0.0000, 0.0000,

0.2770

0.0000

223.7826, 0.3175,
0.2802

■ 23.6428, 0.3195,
0.2344

■ 23.6428, 0.3195,
0.2344

■ 20.2111, 0.3213,
0.2131

■ 27.8606, 0.3177,
0.2575

■ 17.5138, 0.3230,
0.1945

■ 32.9058, 0.3160,
0.2815

■ 15.4979, 0.3245,
0.1794


■ 38.8207, 0.3143,
0.3055


■ 14.1020, 0.3259,
0.1683


■ 45.6436, 0.3127,
0.3290


■ 13.2536, 0.3270,
0.1615


■ 53.4105, 0.3113,
0.3514

 12.8021, 0.3280,
0.1580

 62.1557, 0.3100,
0.3725

 71.9116, 0.3088,
0.3920

 82.7091, 0.3077,
0.4099

 84.6252, 0.3073,
0.4123

Harmonies

Analogous

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



23.6428, 0.2442, 0.2099



23.6428, 0.3195, 0.2344



23.6428, 0.4033, 0.2779

Triad

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



23.6428, 0.3195, 0.2344



23.6428, 0.4349, 0.4481



23.6428, 0.1823, 0.2960

Complementary

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



23.6428, 0.3195, 0.2344



36.9648, 0.3057, 0.4462

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.



23.6428, 0.2222, 0.3827



23.6428, 0.3195, 0.2344



23.6428, 0.3674, 0.4801

Square

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



23.6428, 0.3195, 0.2344



23.6428, 0.4725, 0.3926



23.6428, 0.2895, 0.4590



23.6428, 0.1737, 0.2361

Rectangle

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



23.6428, 0.3195, 0.2344



23.6428, 0.4476, 0.3139



23.6428, 0.2895, 0.4590



23.6428, 0.1920, 0.3230

Sweetspot

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



23.6439, 0.3195, 0.2344



67.8828, 0.3146, 0.3003



17.2819, 0.2410, 0.2090



14.3671, 0.3149, 0.2972



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.



23.6439, 0.3195, 0.2344



37.3075, 0.3211, 0.2155



22.4059, 0.3631, 0.2792



8.6426, 0.3142, 0.3072



8.9343, 0.3279, 0.1580



0.2824, 0.3258, 0.1568

Inverse Universe

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



23.6439, 0.3195, 0.2344



37.3075, 0.3211, 0.2155



37.8900, 0.2813, 0.3856



8.6426, 0.3142, 0.3072



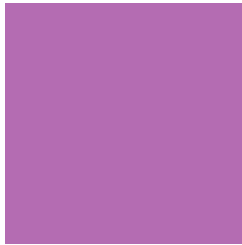
8.9343, 0.3279, 0.1580



0.2824, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 23.6428, 0.3195, 0.2344 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 23.6428, 0.3195, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

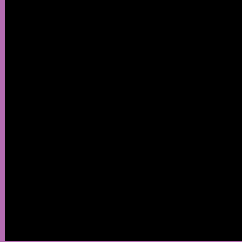
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6428, 0.3195, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 23.6428, 0.3195, 0.2344.



This preview shows how white text looks on a background with the Yxy color 23.6428, 0.3195, 0.2344.

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

23.6428, 0.3195, 0.2344

Protanopia

23.9785, 0.2379, 0.2281

Deuteranopia

23.9941, 0.2666, 0.2612



Tritanopia

23.7508, 0.3715, 0.3157

Trichromacy



Original Color

23.6428, 0.3195, 0.2344

Protanomaly

23.2020, 0.2625, 0.2282

Deuteranomaly

23.3721, 0.2847, 0.2494

Tritanomaly

23.5669, 0.3521, 0.2840

Monochromacy



Original Color

23.6428, 0.3195, 0.2344

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.2510, 0.3146, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6428, 0.3195, 0.2344 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(180, 108, 178)` looks like.

```
.text, #text, p{  
    color:rgb(180, 108, 178)  
}
```

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(180, 108, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 108, 178) }
```

Border

The CSS property to change the border of an element to Yxy 23.6428, 0.3195, 0.2344 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(180, 108, 178) }
```

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

```
.border{ border-color:rgb(180, 108, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 108, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 108, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 108, 178);  
box-shadow:4px 4px 4px 4px rgb(180, 108,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6428, 0.3195, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 108, 178) }
```

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

```
.background{ background-color: rgb(180,  
108, 178) }
```

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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