

Converting Colors

$Y_{xy}(23.3446, 0.3295, 0.2614)$

Have a look what the booklet for
Yxy(23.3446, 0.3295, 0.2614)
contains.

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Color

Yxy(23.3785, 0.3291, 0.2612)

Conversions

Conversions Part 1

Format	Color
Hex	AC72A1
RGB	172, 114, 161
RGB Percent	67%, 45%, 63%
CMY	0.3256, 0.5528, 0.3687
CMYK	0.00, 0.34, 0.06, 0.33
HSL	311°, 26%, 56%
HSV	311°, 34%, 67%
XYZ	29.4558, 23.3785, 36.6699
YIQ	136.7000, 19.4810, 26.9130

Conversions

Conversions Part 2

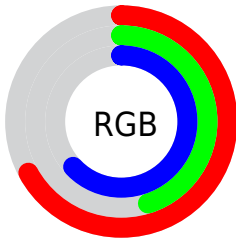
Format	Color
R _{YB}	172, 114, 161
Decimal	11301537
CIE Lab	55.46, 30.34, -15.94
CIE LCh	55, 34.277, 332.284
Yxy	23.3785, 0.3291, 0.2612
Android (android.graphics.Color)	4289491617 (0xFFAC72A1)
YUV	136.7000, 11.9799, 30.9581
Hunter-Lab	48.3513, 24.1282, -11.1199

Details

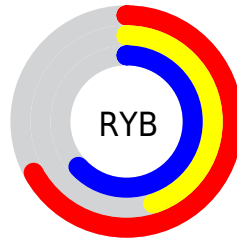
The Yxy color **23.3785, 0.3291, 0.2612** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.5503, 0.2999, 0.4080**, and the grayscale version is **24.8461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0893, 0.3258, 0.2747**, and **8.8067, 0.3350, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **19.7435, 0.3353, 0.2415**, and if you desaturate by 10%, it is **27.7479, 0.3235, 0.2816**.

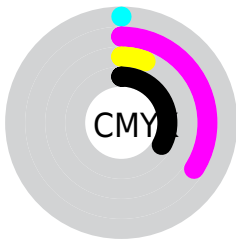
Distribution



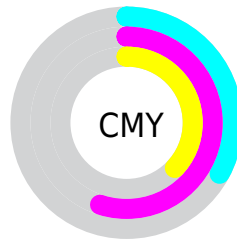
- Red (67%)
- Green (45%)
- Blue (63%)



- Red (67%)
- Yellow (45%)
- Blue (63%)



- Cyan (0%)
- Magenta (34%)
- Yellow (6%)
- Black (33%)





- Cyan (33%)
- Magenta (55%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3785, 0.3291, 0.2612 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 23.3785, 0.3291, 0.2612 by changing the saturation by 10% instead.


 23.3785, 0.3291,
0.2612


 23.3785, 0.3291,
0.2612


269.6631, 0.3208,
0.2970


 14.8732, 0.3311,
0.2516


 49.0141, 0.3261,
0.2747


 8.7305, 0.3337,
0.2390


 66.9132, 0.3250,
0.2796

 4.5658, 0.3371,
0.2216


 88.7124, 0.3240,
0.2837

 1.9948, 0.3415,
0.1961

 114.7960, 0.3232,
0.2872

 0.6045, 0.3495,
0.1499

145.5485, 0.3225,
0.2901

 0.0000, 0.3168,
0.0000

181.3543, 0.3219,

 0.0000, 0.0000,

0.2927

0.0000

222.5977, 0.3213,
0.2950

■ 23.3785, 0.3291,
0.2612

■ 23.3785, 0.3291,
0.2612

■ 19.7435, 0.3353,
0.2415

■ 27.7479, 0.3235,
0.2816

■ 16.7989, 0.3421,
0.2234

■ 32.8863, 0.3185,
0.3020

■ 14.5005, 0.3492,
0.2079


■ 38.8301, 0.3142,
0.3219


■ 12.7981, 0.3566,
0.1959


■ 45.6121, 0.3104,
0.3408

■ 11.6337, 0.3638,
0.1881

■ 53.2636, 0.3072,
0.3587

 10.9381, 0.3709,
0.1847

 61.8141, 0.3045,
0.3752

 10.6413, 0.3752,
0.1841

 71.2917, 0.3022,
0.3905

 81.7235, 0.3003,
0.4046

 84.0175, 0.2986,
0.4040

Harmonies

Analogous

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



23.3785, 0.2702, 0.2391



23.3785, 0.3291, 0.2612



23.3785, 0.3885, 0.2979

Triad

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



23.3785, 0.3291, 0.2612



23.3785, 0.3995, 0.4259



23.3785, 0.2105, 0.2979

Complementary

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



23.3785, 0.3291, 0.2612



34.5503, 0.2999, 0.4080

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.



23.3785, 0.2390, 0.3581



23.3785, 0.3291, 0.2612



23.3785, 0.3472, 0.4390

Square

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



23.3785, 0.3291, 0.2612



23.3785, 0.4299, 0.3888



23.3785, 0.2884, 0.4141



23.3785, 0.2068, 0.2552

Rectangle

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



23.3785, 0.3291, 0.2612



23.3785, 0.4175, 0.3274



23.3785, 0.2884, 0.4141



23.3785, 0.2173, 0.3167

Sweetspot

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



23.3795, 0.3291, 0.2612



63.3087, 0.3169, 0.3091



19.3513, 0.2641, 0.2337



13.4498, 0.3175, 0.3064



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.



23.3795, 0.3291, 0.2612



37.6631, 0.3334, 0.2473



22.4831, 0.3650, 0.3015



8.1217, 0.3165, 0.3108



7.9305, 0.3745, 0.1837



0.2272, 0.3557, 0.1733

Inverse Universe

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



23.3795, 0.3291, 0.2612



37.6631, 0.3334, 0.2473



35.3897, 0.2786, 0.3587



8.1217, 0.3165, 0.3108



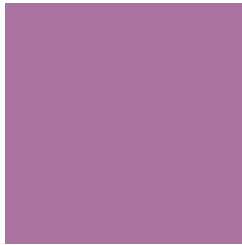
7.9305, 0.3745, 0.1837



0.2272, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 23.3785, 0.3291, 0.2612 looks on a white background.

Color Contrast Check

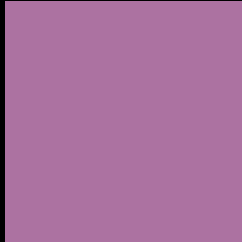
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3785, 0.3291, 0.2612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

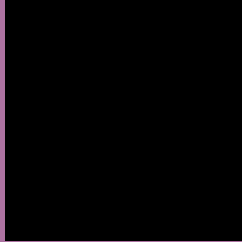
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3785, 0.3291, 0.2612

Background



This preview shows how black text looks on a background with the Yxy color 23.3785, 0.3291, 0.2612.



This preview shows how white text looks on a background with the Yxy color 23.3785, 0.3291, 0.2612.

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

23.3785, 0.3291, 0.2612

Protanopia

23.6572, 0.2637, 0.2619

Deuteranopia

23.5022, 0.2886, 0.2828



Tritanopia

23.3428, 0.3624, 0.3153

Trichromacy



Original Color

23.3785, 0.3291, 0.2612

Protanomaly

23.1073, 0.2841, 0.2594

Deuteranomaly

23.2144, 0.3027, 0.2737

Tritanomaly

23.3150, 0.3491, 0.2944

Monochromacy



Original Color

23.3785, 0.3291, 0.2612

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.2599, 0.3186, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3785, 0.3291, 0.2612 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(172, 114, 161)` looks like.

```
.text, #text, p{  
    color:rgb(172, 114, 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(172, 114, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 114, 161) }
```

Border

The CSS property to change the border of an element to Yxy 23.3785, 0.3291, 0.2612 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(172, 114, 161) }
```

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

```
.border{ border-color:rgb(172, 114, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 114, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 114, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 114, 161);  
box-shadow:4px 4px 4px 4px rgb(172, 114,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3785, 0.3291, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 114, 161) }
```

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

```
.background{ background-color: rgb(172,  
114, 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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