

Converting Colors

$Y_{xy}(22.9881, 0.3354, 0.2695)$

Have a look what the booklet for
Yxy(22.9881, 0.3354, 0.2695)
contains.

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Color

Yxy(23.0256, 0.3363, 0.2703)

Conversions

Conversions Part 1

Format	Color
Hex	AB729A
RGB	171, 114, 154
RGB Percent	67%, 45%, 60%
CMY	0.3294, 0.5530, 0.3960
CMYK	0.00, 0.33, 0.10, 0.33
HSL	318°, 25%, 56%
HSV	318°, 33%, 67%
XYZ	28.6478, 23.0256, 33.5119
YIQ	135.6030, 21.1320, 24.5240

Conversions

Conversions Part 2

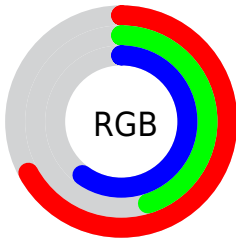
Format	Color
R _Y B	171, 114, 154
Decimal	11235994
CIE _{Lab}	55.10, 28.78, -12.45
CIE _{LCh}	55, 31.357, 336.606
Y _{xy}	23.0256, 0.3363, 0.2703
Android (android.graphics.Color)	4289426074 (0xFFAB729A)
YUV	135.6030, 9.0697, 31.0432
Hunter-Lab	47.9850, 22.5937, -7.8176

Details

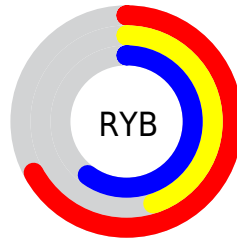
The Yxy color **23.0256, 0.3363, 0.2703** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **34.3473, 0.2953, 0.3962**, and the grayscale version is **24.4248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5224, 0.3318, 0.2830**, and **8.6114, 0.3444, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **19.3565, 0.3458, 0.2528**, and if you desaturate by 10%, it is **27.4253, 0.3279, 0.2883**.

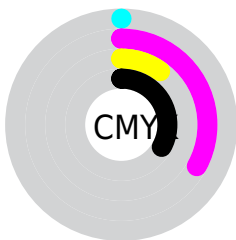
Distribution



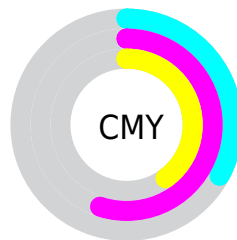
- Red (67%)
- Green (45%)
- Blue (60%)



- Red (67%)
- Yellow (45%)
- Blue (60%)



- Cyan (0%)
- Magenta (33%)
- Yellow (10%)
- Black (33%)





- Cyan (33%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0256, 0.3363, 0.2703 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 23.0256, 0.3363, 0.2703 by changing the saturation by 10% instead.


 23.0256, 0.3363,
0.2703


 23.0256, 0.3363,
0.2703


267.8565, 0.3238,
0.3016

 14.6124, 0.3397,
0.2618


 48.4354, 0.3316,
0.2822

 8.5478, 0.3441,
0.2505


 66.2007, 0.3299,
0.2865

 4.4474, 0.3503,
0.2346


 87.8523, 0.3284,
0.2901

 1.9269, 0.3593,
0.2109

 113.7744, 0.3272,
0.2931

 0.5645, 0.3778,
0.1634

144.3515, 0.3262,
0.2957

 0.0000, 0.4005,
0.0000

179.9679, 0.3253,

 0.0000, 0.0000,

0.2979

0.0000

221.0081, 0.3245,
0.2999

■ 23.0256, 0.3363,
0.2703

■ 23.0256, 0.3363,
0.2703

■ 19.3565, 0.3458,
0.2528

■ 27.4253, 0.3279,
0.2883

■ 16.3745, 0.3564,
0.2366

■ 32.5896, 0.3207,
0.3062

■ 14.0362, 0.3680,
0.2227


■ 38.5543, 0.3146,
0.3234

■ 12.2922, 0.3802,
0.2121


■ 45.3520, 0.3093,
0.3398

■ 11.0856, 0.3927,
0.2058


■ 53.0134, 0.3049,
0.3551

 10.3485, 0.4051,
0.2043

 61.5677, 0.3013,
0.3693

 10.0163, 0.4133,
0.2050

 71.0427, 0.2982,
0.3824

 81.4650, 0.2956,
0.3944

 84.3454, 0.2931,
0.3926

Harmonies

Analogous

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



23.0256, 0.2809, 0.2474



23.0256, 0.3363, 0.2703



23.0256, 0.3891, 0.3062

Triad

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



23.0256, 0.3363, 0.2703



23.0256, 0.3872, 0.4221



23.0256, 0.2160, 0.2940

Complementary

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



23.0256, 0.3363, 0.2703



34.3473, 0.2953, 0.3962

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.



23.0256, 0.2395, 0.3476



23.0256, 0.3363, 0.2703



23.0256, 0.3372, 0.4286

Square

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



23.0256, 0.3363, 0.2703



23.0256, 0.4186, 0.3908



23.0256, 0.2832, 0.4005



23.0256, 0.2158, 0.2571

Rectangle

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



23.0256, 0.3363, 0.2703



23.0256, 0.4131, 0.3343



23.0256, 0.2832, 0.4005



23.0256, 0.2213, 0.3105

Sweetspot

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



23.0266, 0.3363, 0.2703



61.5779, 0.3187, 0.3117



19.7320, 0.2707, 0.2364



13.4183, 0.3195, 0.3093



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.



23.0266, 0.3363, 0.2703



36.2689, 0.3432, 0.2573



22.2085, 0.3718, 0.3104



8.1068, 0.3181, 0.3132



7.5589, 0.4121, 0.2044



0.2193, 0.3787, 0.1860

Inverse Universe

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



23.0266, 0.3363, 0.2703



36.2689, 0.3432, 0.2573



35.2002, 0.2748, 0.3488



8.1068, 0.3181, 0.3132



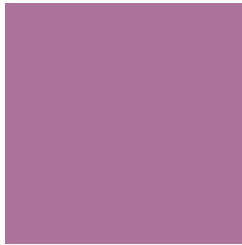
7.5589, 0.4121, 0.2044



0.2193, 0.3787, 0.1860

Previews

White Background



This preview shows how the Yxy color 23.0256, 0.3363, 0.2703 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 23.0256, 0.3363, 0.2703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

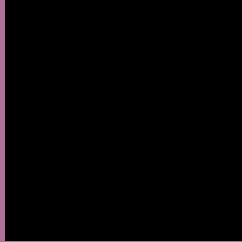
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0256, 0.3363, 0.2703

Background



This preview shows how black text looks on a background with the Yxy color 23.0256, 0.3363, 0.2703.



This preview shows how white text looks on a background with the Yxy color 23.0256, 0.3363, 0.2703.

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

23.0256, 0.3363, 0.2703

Protanopia

23.2709, 0.2713, 0.2708

Deuteranopia

23.1691, 0.2976, 0.2923



Tritanopia

23.0770, 0.3640, 0.3153

Trichromacy



Original Color

23.0256, 0.3363, 0.2703

Protanomaly

22.9386, 0.2920, 0.2696

Deuteranomaly

23.0719, 0.3113, 0.2842

Tritanomaly

22.9637, 0.3544, 0.2987

Monochromacy



Original Color

23.0256, 0.3363, 0.2703

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.8111, 0.3208, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0256, 0.3363, 0.2703 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(171, 114, 154)` looks like.

```
.text, #text, p{  
    color:rgb(171, 114, 154)  
}
```

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(171, 114, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 114, 154) }
```

Border

The CSS property to change the border of an element to Yxy 23.0256, 0.3363, 0.2703 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(171, 114, 154) }
```

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

```
.border{ border-color:rgb(171, 114, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 114, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 114, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 114, 154);  
box-shadow:4px 4px 4px 4px rgb(171, 114,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0256, 0.3363, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 114, 154) }
```

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

```
.background{ background-color: rgb(171,  
114, 154) }
```

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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