

Converting Colors

$Y_{xy}(23.0307, 0.3130, 0.2554)$

Have a look what the booklet for
Yxy(23.0307, 0.3130, 0.2554)
contains.

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Color

Yxy(23.0305, 0.3127, 0.2551)

Conversions

Conversions Part 1

Format	Color
Hex	A374A6
RGB	163, 116, 166
RGB Percent	64%, 45%, 65%
CMY	0.3608, 0.5451, 0.3491
CMYK	0.02, 0.30, 0.00, 0.35
HSL	296°, 22%, 55%
HSV	296°, 30%, 65%
XYZ	28.2306, 23.0305, 39.0191
YIQ	135.7530, 11.9620, 25.5140

Conversions

Conversions Part 2

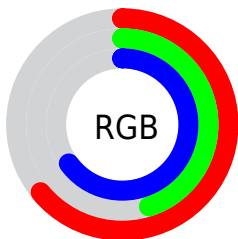
Format	Color
RYB	163, 116, 166
Decimal	10712230
CIELab	55.10, 27.12, -19.47
CIELCh	55, 33.385, 324.332
Yxy	23.0305, 0.3127, 0.2551
Android (android.graphics.Color)	4288902310 (0xFFA374A6)
YUV	135.7530, 14.9118, 23.8956
Hunter-Lab	47.9901, 21.0217, -14.6136

Details

The Yxy color **23.0305, 0.3127, 0.2551** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.4429, 0.3113, 0.4142**, and the grayscale version is **24.4638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6565, 0.3137, 0.2704**, and **8.5442, 0.3103, 0.2310** is the 20% darker color. If you saturate the color by 10%, you get **19.4370, 0.3124, 0.2310**, and if you desaturate by 10%, it is **27.3104, 0.3129, 0.2799**.

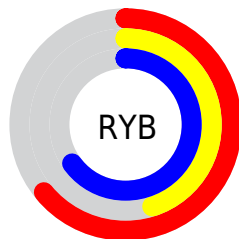
Distribution



Red (64%)

Green (45%)

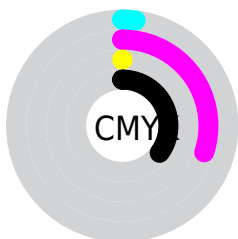
Blue (65%)



Red (64%)

Yellow (45%)

Blue (65%)

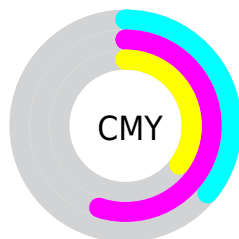


Cyan (2%)

Magenta (30%)

Yellow (0%)

Black (35%)



Cyan (36%)


Magenta (55%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0305, 0.3127, 0.2551 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 23.0305, 0.3127, 0.2551 by changing the saturation by 10% instead.


 23.0305, 0.3127,
0.2551


 23.0305, 0.3127,
0.2551


267.8816, 0.3136,
0.2941


 14.6160, 0.3121,
0.2447


 48.4434, 0.3133,
0.2697

 8.5504, 0.3111,
0.2310


 66.2106, 0.3134,
0.2751

 4.4491, 0.3092,
0.2122


 87.8642, 0.3135,
0.2796

 1.9278, 0.3054,
0.1849

113.7886, 0.3135,
0.2834

 0.5650, 0.2989,
0.1349

144.3681, 0.3136,
0.2866

 0.0000, 0.1601,
0.0000

179.9872, 0.3136,

 0.0000, 0.0000,

0.2894

0.0000

221.0302, 0.3136,
0.2919

■ 23.0305, 0.3127,
0.2551

■ 23.0305, 0.3127,
0.2551

■ 19.4370, 0.3124,
0.2310

■ 27.3104, 0.3129,
0.2799

■ 16.4905, 0.3118,
0.2085

■ 32.3075, 0.3129,
0.3047

■ 14.1522, 0.3110,
0.1885


■ 38.0541, 0.3127,
0.3288

■ 12.3780, 0.3101,
0.1720


■ 44.5799, 0.3125,
0.3517


■ 11.1177, 0.3089,
0.1594


■ 51.9129, 0.3122,
0.3731


 10.3125, 0.3076,
0.1511

 60.0797, 0.3118,
0.3929

 9.8314, 0.3062,
0.1460

 69.1058, 0.3114,
0.4111

 79.0153, 0.3110,
0.4277

 83.0285, 0.3112,
0.4333

Harmonies

Analogous

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



23.0305, 0.2581, 0.2380



23.0305, 0.3127, 0.2551



23.0305, 0.3726, 0.2879

Triad

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



23.0305, 0.3127, 0.2551



23.0305, 0.4084, 0.4161



23.0305, 0.2176, 0.3132

Complementary

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



23.0305, 0.3127, 0.2551



32.4429, 0.3113, 0.4142

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.



23.0305, 0.2517, 0.3736



23.0305, 0.3127, 0.2551



23.0305, 0.3615, 0.4365

Square

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



23.0305, 0.3127, 0.2551



23.0305, 0.4302, 0.3763



23.0305, 0.3040, 0.4223



23.0305, 0.2074, 0.2657

Rectangle

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



23.0305, 0.3127, 0.2551



23.0305, 0.4055, 0.3157



23.0305, 0.3040, 0.4223



23.0305, 0.2264, 0.3328

Sweetspot

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



23.0315, 0.3127, 0.2551



59.5763, 0.3128, 0.3070



19.7400, 0.2615, 0.2491



13.0237, 0.3129, 0.3035



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.0315, 0.3127, 0.2551



37.3953, 0.3125, 0.2391



22.6197, 0.3417, 0.2860



7.6436, 0.3128, 0.3067



7.6340, 0.3063, 0.1461



0.1923, 0.3115, 0.1490

Inverse Universe

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



21.9276, 0.3744, 0.3245



35.0916, 0.3939, 0.3235



32.8002, 0.2916, 0.3766



7.5493, 0.3277, 0.3277



6.3058, 0.6320, 0.3255



0.1556, 0.5974, 0.3064

Previews

White Background



This preview shows how the Yxy color 23.0305, 0.3127, 0.2551 looks on a white background.

Color Contrast Check

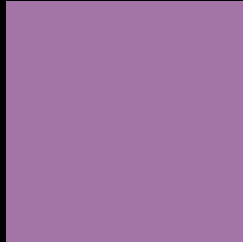
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0305, 0.3127, 0.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

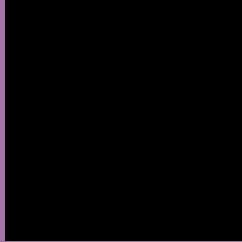
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0305, 0.3127, 0.2551

Background



This preview shows how black text looks on a background with the Yxy color 23.0305, 0.3127, 0.2551.



This preview shows how white text looks on a background with the Yxy color 23.0305, 0.3127, 0.2551.

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

23.0305, 0.3127, 0.2551

Protanopia

23.3289, 0.2576, 0.2540

Deuteranopia

23.0120, 0.2787, 0.2727



Tritanopia

23.1010, 0.3453, 0.3147

Trichromacy



Original Color

23.0305, 0.3127, 0.2551

Protanomaly

23.0897, 0.2754, 0.2544

Deuteranomaly

22.7584, 0.2899, 0.2651

Tritanomaly

22.9201, 0.3340, 0.2916

Monochromacy



Original Color

23.0305, 0.3127, 0.2551

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.9181, 0.3129, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0305, 0.3127, 0.2551 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(163, 116, 166)` looks like.

```
.text, #text, p{  
    color:rgb(163, 116, 166)  
}
```

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(163, 116, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 116, 166) }
```

Border

The CSS property to change the border of an element to Yxy 23.0305, 0.3127, 0.2551 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(163, 116, 166) }
```

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

```
.border{ border-color:rgb(163, 116, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 116, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 116, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 116, 166);  
box-shadow:4px 4px 4px 4px rgb(163, 116,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0305, 0.3127, 0.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 116, 166) }
```

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

```
.background{ background-color: rgb(163,  
116, 166) }
```

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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