

Converting Colors

$Y_{xy}(10.0112, 0.3459, 0.2231)$

Have a look what the booklet for
Yxy(10.0112, 0.3459, 0.2231)
contains.

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Color

Yxy(10.0155, 0.3473, 0.2237)

Conversions

Conversions Part 1

Format	Color
Hex	8A3C79
RGB	138, 60, 121
RGB Percent	54%, 24%, 47%
CMY	0.4588, 0.7647, 0.5254
CMYK	0.00, 0.57, 0.12, 0.46
HSL	313°, 39%, 39%
HSV	313°, 57%, 54%
XYZ	15.5493, 10.0155, 19.2072
YIQ	90.2760, 26.9070, 35.5070

Conversions

Conversions Part 2

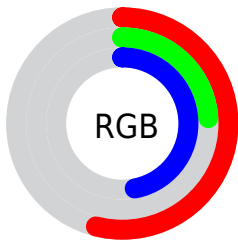
Format	Color
R_{YB}	138, 60, 121
Decimal	9059449
CIE Lab	37.87, 41.26, -19.29
CIE LCh	38, 45.546, 334.947
Yxy	10.0155, 0.3473, 0.2237
Android (android.graphics.Color)	4287249529 (0xFF8A3C79)
YUV	90.2760, 15.1469, 41.8539
Hunter-Lab	31.6473, 32.3200, -13.8309

Details

The Yxy color **10.0155, 0.3473, 0.2237** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **19.6742, 0.2917, 0.4669**, and the grayscale version is **10.2506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7623, 0.3388, 0.2472**, and **2.4643, 0.3597, 0.1791** is the 20% darker color. If you saturate the color by 10%, you get **8.6813, 0.3555, 0.2094**, and if you desaturate by 10%, it is **11.7301, 0.3396, 0.2406**.

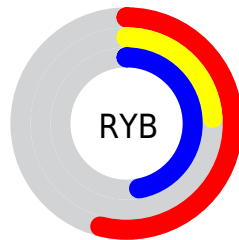
Distribution



Red (54%)

Green (24%)

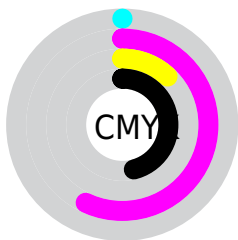
Blue (47%)



Red (54%)

Yellow (24%)

Blue (47%)

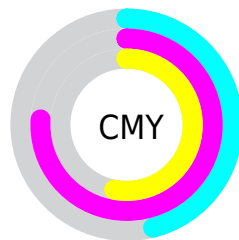


Cyan (0%)

Magenta (57%)

Yellow (12%)

Black (46%)



Cyan (46%)


Magenta (76%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0155, 0.3473, 0.2237 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 10.0155, 0.3473, 0.2237 by changing the saturation by 10% instead.


 10.0155, 0.3473,
0.2237


 10.0155, 0.3473,
0.2237


 190.7827, 0.3279,
0.2844


 5.4092, 0.3528,
0.2053


 25.8247, 0.3398,
0.2480


 2.4893, 0.3601,
0.1796

 37.7963, 0.3371,
0.2564

 0.8713, 0.3701,
0.1416

 52.9919, 0.3349,
0.2633

 0.0000, 0.4164,
0.0000

 71.7959, 0.3330,
0.2690

 0.0000, 0.0000,
0.0000

 94.5925, 0.3315,
0.2737

 121.7662, 0.3301,

0.2778

153.7015, 0.3290,
0.2813

■ 10.0155, 0.3473,
0.2237

■ 10.0155, 0.3473,
0.2237

■ 8.6813, 0.3555,
0.2094

■ 11.7301, 0.3396,
0.2406

■ 7.6960, 0.3639,
0.1985

■ 13.8504, 0.3325,
0.2591

■ 7.0256, 0.3722,
0.1918

■ 16.4013, 0.3261,
0.2785

■ 6.6116, 0.3804,
0.1892

■ 19.4052, 0.3205,
0.2980

■ 6.4851, 0.3833,
0.1885

■ 22.8830, 0.3156,
0.3170

■ 26.8542, 0.3113,
0.3352

■ 31.3374, 0.3077,
0.3524

■ 36.3500, 0.3046,
0.3685

■ 41.9087, 0.3020,
0.3834

Harmonies

Analogous

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



10.0155, 0.2464, 0.1884



10.0155, 0.3473, 0.2237



10.0155, 0.4535, 0.2793

Triad

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



10.0155, 0.3473, 0.2237



10.0155, 0.4408, 0.4881



10.0155, 0.1459, 0.2597

Complementary

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



10.0155, 0.3473, 0.2237



19.6742, 0.2917, 0.4669

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.



10.0155, 0.1815, 0.3666



10.0155, 0.3473, 0.2237



10.0155, 0.3503, 0.5270

Square

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



10.0155, 0.3473, 0.2237



10.0155, 0.5043, 0.4176



10.0155, 0.2553, 0.4831



10.0155, 0.1462, 0.1995

Rectangle

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



10.0155, 0.3473, 0.2237



10.0155, 0.5016, 0.3229



10.0155, 0.2553, 0.4831



10.0155, 0.1535, 0.2905

Sweetspot

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



10.0160, 0.3473, 0.2237



33.7271, 0.3209, 0.2963



6.6403, 0.2272, 0.1630



7.3554, 0.3218, 0.2931



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



10.0160, 0.3473, 0.2237



14.7314, 0.3579, 0.2058



9.2459, 0.4266, 0.2895



5.1106, 0.3168, 0.3121



5.9478, 0.3830, 0.1884



0.0417, 0.3492, 0.1697

Inverse Universe

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



10.0160, 0.3473, 0.2237



14.7314, 0.3579, 0.2058



20.3972, 0.2602, 0.3764



5.1106, 0.3168, 0.3121



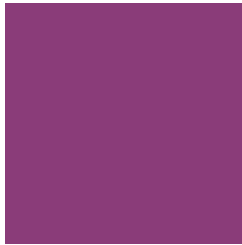
5.9478, 0.3830, 0.1884



0.0417, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 10.0155, 0.3473, 0.2237 looks on a white 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

Black Background



This preview shows how the Yxy color 10.0155, 0.3473, 0.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

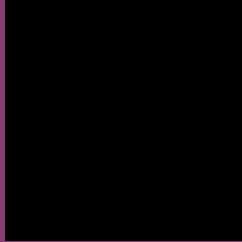
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0155, 0.3473, 0.2237

Background



This preview shows how black text looks on a background with the Yxy color 10.0155, 0.3473, 0.2237.



This preview shows how white text looks on a background with the Yxy color 10.0155, 0.3473, 0.2237.

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

10.0155, 0.3473, 0.2237

Protanopia

10.2583, 0.2239, 0.2093

Deuteranopia

10.1252, 0.2685, 0.2640



Tritanopia

10.0148, 0.4225, 0.3198

Trichromacy



Original Color

10.0155, 0.3473, 0.2237

Protanomaly

9.6060, 0.2567, 0.2092

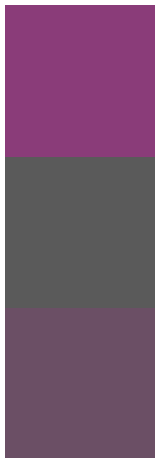
Deuteranomaly

9.6998, 0.2941, 0.2437

Tritanomaly

9.9379, 0.3960, 0.2825

Monochromacy



Original Color

10.0155, 0.3473, 0.2237

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

9.6573, 0.3253, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0155, 0.3473, 0.2237 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(138, 60, 121)` looks like.

```
.text, #text, p{  
    color:rgb(138, 60, 121)  
}
```

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(138, 60, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 60, 121) }
```

Border

The CSS property to change the border of an element to Yxy 10.0155, 0.3473, 0.2237 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(138, 60, 121) }
```

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

```
.border{ border-color:rgb(138, 60, 121) }
```

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

Here you see how a box with a 4 pixel rgb(138, 60, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 60, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 60, 121);  
box-shadow:4px 4px 4px 4px rgb(138, 60,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0155, 0.3473, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 60, 121) }
```

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

```
.background{ background-color: rgb(138, 60,  
121) }
```

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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