

Converting Colors

$Y_{xy}(10.7570, 0.3414, 0.2320)$

Have a look what the booklet for
Yxy(10.7570, 0.3414, 0.2320)
contains.

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Color

Yxy(10.7378, 0.3426, 0.2323)

Conversions

Conversions Part 1

Format	Color
Hex	89437A
RGB	137, 67, 122
RGB Percent	54%, 26%, 48%
CMY	0.4627, 0.7372, 0.5216
CMYK	0.00, 0.51, 0.11, 0.46
HSL	313°, 34%, 40%
HSV	313°, 51%, 54%
XYZ	15.8363, 10.7378, 19.6498
YIQ	94.2000, 24.0650, 31.9450

Conversions

Conversions Part 2

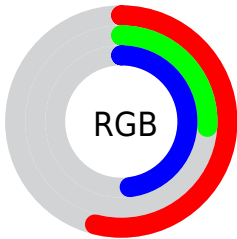
Format	Color
R_{YB}	137, 67, 122
Decimal	8995706
CIE _{Lab}	39.14, 37.48, -17.96
CIE _{LCh}	39, 41.562, 334.396
Yxy	10.7378, 0.3426, 0.2323
Android (android.graphics.Color)	4287185786 (0xFF89437A)
YUV	94.2000, 13.7054, 37.5356
Hunter-Lab	32.7686, 28.9199, -12.6154

Details

The Yxy color **10.7378, 0.3426, 0.2323** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **19.6939, 0.2933, 0.4518**, and the grayscale version is **11.2063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2585, 0.3356, 0.2544**, and **2.7829, 0.3544, 0.1921** is the 20% darker color. If you saturate the color by 10%, you get **9.2258, 0.3504, 0.2164**, and if you desaturate by 10%, it is **12.6384, 0.3353, 0.2503**.

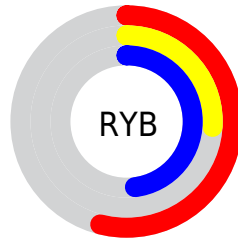
Distribution



Red (54%)

Green (26%)

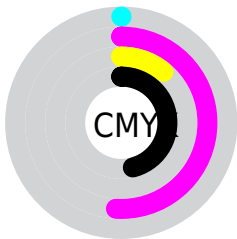
Blue (48%)



Red (54%)

Yellow (26%)

Blue (48%)

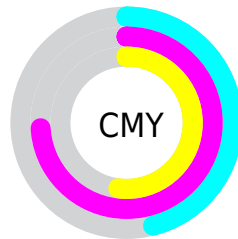


Cyan (0%)

Magenta (51%)

Yellow (11%)

Black (46%)



Cyan (46%)


Magenta (74%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7378, 0.3426, 0.2323 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 10.7378, 0.3426, 0.2323 by changing the saturation by 10% instead.


 10.7378, 0.3426,
0.2323


 10.7378, 0.3426,
0.2323


195.8598, 0.3259,
0.2880


 5.8908, 0.3473,
0.2154


 27.1743, 0.3361,
0.2546


 2.7788, 0.3536,
0.1916

 39.5326, 0.3338,
0.2623


 1.0174, 0.3622,
0.1563

 55.1634, 0.3319,
0.2686

 0.0000, 0.4145,
0.0000

 74.4512, 0.3303,
0.2738

 0.0000, 0.0000,
0.0000

 97.7803, 0.3290,
0.2782

125.5352, 0.3278,

0.2820

158.1002, 0.3268,
0.2852

■ 10.7378, 0.3426,
0.2323

■ 10.7378, 0.3426,
0.2323

■ 9.2258, 0.3504,
0.2164

■ 12.6384, 0.3353,
0.2503

■ 8.0733, 0.3585,
0.2035

■ 14.9510, 0.3287,
0.2694

■ 7.2495, 0.3668,
0.1944

■ 17.6990, 0.3228,
0.2890

■ 6.7176, 0.3749,
0.1897

■ 20.9035, 0.3177,
0.3083

■ 6.3933, 0.3821,
0.1879

■ 24.5843, 0.3132,
0.3270

■ 28.7601, 0.3093,
0.3448

■ 33.4483, 0.3060,
0.3614

■ 38.6659, 0.3033,
0.3769

■ 44.4287, 0.3009,
0.3912

Harmonies

Analogous

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



10.7378, 0.2520, 0.1998



10.7378, 0.3426, 0.2323



10.7378, 0.4370, 0.2839

Triad

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



10.7378, 0.3426, 0.2323



10.7378, 0.4330, 0.4743



10.7378, 0.1607, 0.2698

Complementary

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



10.7378, 0.3426, 0.2323



19.6939, 0.2933, 0.4518

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.



10.7378, 0.1954, 0.3654



10.7378, 0.3426, 0.2323



10.7378, 0.3513, 0.5050

Square

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



10.7378, 0.3426, 0.2323



10.7378, 0.4878, 0.4124



10.7378, 0.2643, 0.4654



10.7378, 0.1597, 0.2127

Rectangle

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



10.7378, 0.3426, 0.2323



10.7378, 0.4808, 0.3247



10.7378, 0.2643, 0.4654



10.7378, 0.1683, 0.2979

Sweetspot

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



10.7383, 0.3426, 0.2323



34.8995, 0.3198, 0.3002



7.5705, 0.2356, 0.1799



7.5945, 0.3207, 0.2966



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.



10.7383, 0.3426, 0.2323



16.2286, 0.3514, 0.2146



10.0378, 0.4077, 0.2905



5.1109, 0.3167, 0.3120



5.9572, 0.3819, 0.1877



0.0417, 0.3486, 0.1694

Inverse Universe

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



10.7383, 0.3426, 0.2323



16.2286, 0.3514, 0.2146



20.3456, 0.2647, 0.3737



5.1109, 0.3167, 0.3120



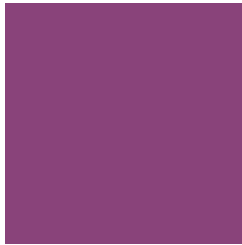
5.9572, 0.3819, 0.1877



0.0417, 0.3486, 0.1694

Previews

White Background



This preview shows how the Yxy color 10.7378, 0.3426, 0.2323 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 10.7378, 0.3426, 0.2323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

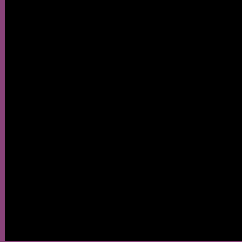
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7378, 0.3426, 0.2323

Background



This preview shows how black text looks on a background with the Yxy color 10.7378, 0.3426, 0.2323.



This preview shows how white text looks on a background with the Yxy color 10.7378, 0.3426, 0.2323.

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

10.7378, 0.3426, 0.2323

Protanopia

10.9011, 0.2334, 0.2222

Deuteranopia

10.9140, 0.2735, 0.2681



Tritanopia

10.7646, 0.4067, 0.3177

Trichromacy



Original Color

10.7378, 0.3426, 0.2323

Protanomaly

10.3525, 0.2651, 0.2221

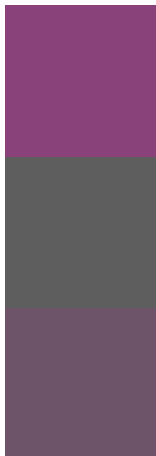
Deuteranomaly

10.4307, 0.2959, 0.2511

Tritanomaly

10.6965, 0.3814, 0.2838

Monochromacy



Original Color

10.7378, 0.3426, 0.2323

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.6551, 0.3246, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7378, 0.3426, 0.2323 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(137, 67, 122)` looks like.

```
.text, #text, p{  
    color:rgb(137, 67, 122)  
}
```

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(137, 67, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 67, 122) }
```

Border

The CSS property to change the border of an element to Yxy 10.7378, 0.3426, 0.2323 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(137, 67, 122) }
```

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

```
.border{ border-color:rgb(137, 67, 122) }
```

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

Here you see how a box with a 4 pixel rgb(137, 67, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 67, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 67, 122);  
box-shadow:4px 4px 4px 4px rgb(137, 67,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7378, 0.3426, 0.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 67, 122) }
```

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

```
.background{ background-color: rgb(137, 67,  
122) }
```

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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