

Converting Colors

$Yxy(10.8188, 0.5619, 0.2869)$

Have a look what the booklet for
Yxy(10.8188, 0.5619, 0.2869)
contains.

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Color

Yxy(10.7980, 0.5622, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	BA003F
RGB	186, 0, 63
RGB Percent	73%, 0%, 25%
CMY	0.2705, 1.0000, 0.7529
CMYK	0.00, 1.00, 0.66, 0.27
HSL	340°, 100%, 36%
HSV	340°, 100%, 73%
XYZ	21.1520, 10.7980, 5.6737
YIQ	62.7960, 90.6330, 59.0250

Conversions

Conversions Part 2

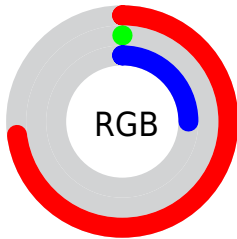
Format	Color
RYB	186, 0, 63
Decimal	12189759
CIELab	39.24, 64.90, 20.54
CIELCh	39, 68.075, 17.558
Yxy	10.7980, 0.5622, 0.2870
Android (android.graphics.Color)	4290379839 (0xFFBA003F)
YUV	62.7960, 0.1006, 108.0499
Hunter-Lab	32.8603, 57.3941, 12.7652

Details

The Yxy color **10.7980, 0.5622, 0.2870** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **36.5594, 0.2566, 0.4438**, and the grayscale version is **4.9304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3001, 0.4997, 0.3038**, and **4.4179, 0.6067, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **10.8014, 0.5622, 0.2870**, and if you desaturate by 10%, it is **11.4071, 0.5316, 0.2786**.

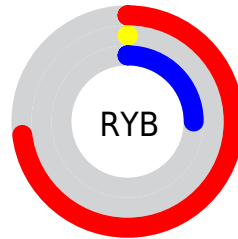
Distribution



Red (73%)

Green (0%)

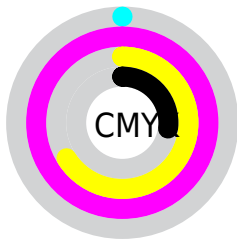
Blue (25%)



Red (73%)

Yellow (0%)

Blue (25%)

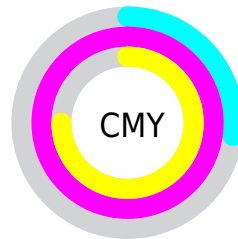


Cyan (0%)

Magenta (100%)

Yellow (66%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7980, 0.5622, 0.2870 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 10.7980, 0.5622, 0.2870 by changing the saturation by 10% instead.


 10.7980, 0.5622,
0.2870


 10.7980, 0.5622,
0.2870


196.2764, 0.4095,
0.3205


 5.9312, 0.6106,
0.2713

 27.2860, 0.4990,
0.3037


 2.8033, 0.6776,
0.2452

 39.6760, 0.4777,
0.3085


 1.0299, 0.7946,
0.2054

 55.3425, 0.4605,
0.3120

 0.0000, 1.0000,
0.0000

 74.6699, 0.4466,
0.3146

 0.0000, 0.0000,
0.0000

 98.0426, 0.4349,
0.3166

 125.8450, 0.4251,

0.3182

158.4615, 0.4168,
0.3195

■ 10.7980, 0.5622,
0.2870

■ 10.7980, 0.5622,
0.2870

■ 10.8014, 0.5622,
0.2870

■ 11.4071, 0.5316,
0.2786

■ 12.4766, 0.4981,
0.2742

■ 14.1707, 0.4640,
0.2744

■ 16.5697, 0.4316,
0.2786

■ 19.7419, 0.4025,
0.2854

■ 23.7472, 0.3775,
0.2938

■ 28.6397, 0.3563,
0.3028

■ 34.4690, 0.3388,
0.3119

■ 41.2807, 0.3245,
0.3207

Harmonies

Analogous

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



10.7980, 0.4267, 0.2145



10.7980, 0.5622, 0.2870



10.7980, 0.5914, 0.3665

Triad

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



10.7980, 0.5622, 0.2870



10.7980, 0.2886, 0.6181



10.7980, 0.1104, 0.1405

Complementary

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



10.7980, 0.5622, 0.2870



36.5594, 0.2566, 0.4438

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.



10.7980, 0.0929, 0.1859



10.7980, 0.5622, 0.2870



10.7980, 0.1766, 0.4962

Square

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



10.7980, 0.5622, 0.2870



10.7980, 0.4160, 0.5737



10.7980, 0.1101, 0.3010



10.7980, 0.1647, 0.1352

Rectangle

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



10.7980, 0.5622, 0.2870



10.7980, 0.5572, 0.4296



10.7980, 0.1101, 0.3010



10.7980, 0.1009, 0.1502

Sweetspot

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



10.8014, 0.5622, 0.2870



51.4155, 0.3573, 0.3024



7.6053, 0.2344, 0.1065



10.4584, 0.3659, 0.2985



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



10.8014, 0.5622, 0.2870



19.5316, 0.5663, 0.2893



11.2684, 0.6259, 0.3412



9.0611, 0.3236, 0.3213



7.2773, 0.5587, 0.2852



0.2684, 0.4851, 0.2446

Inverse Universe

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



10.8014, 0.5622, 0.2870



19.5316, 0.5663, 0.2893



28.0419, 0.2113, 0.2806



9.0611, 0.3236, 0.3213



7.2773, 0.5587, 0.2852



0.2684, 0.4851, 0.2446

Previews

White Background



This preview shows how the Yxy color 10.7980, 0.5622, 0.2870 looks on a white background.

Color Contrast Check

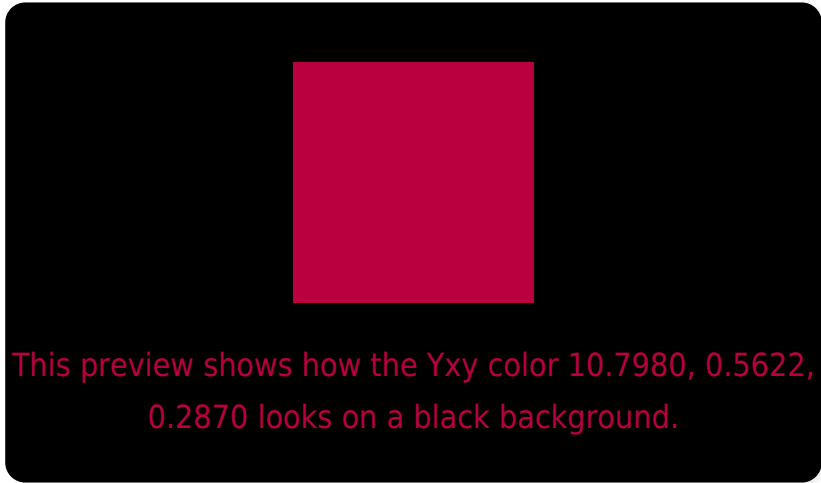
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

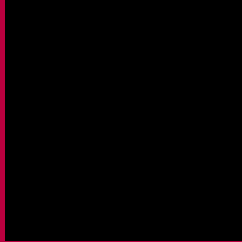
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7980, 0.5622, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 10.7980, 0.5622, 0.2870.



This preview shows how white text looks on a background with the Yxy color 10.7980, 0.5622, 0.2870.

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

10.7980, 0.5622, 0.2870

Protanopia

11.5161, 0.3187, 0.3337

Deuteranopia

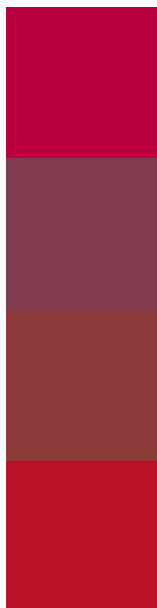
11.4710, 0.4108, 0.4051



Tritanopia

11.0675, 0.6141, 0.3315

Trichromacy



Original Color

10.7980, 0.5622, 0.2870

Protanomaly

8.5080, 0.4108, 0.2866

Deuteranomaly

8.9943, 0.4858, 0.3295

Tritanomaly

10.8184, 0.6019, 0.3172

Monochromacy



Original Color

10.7980, 0.5622, 0.2870

Achromatopsia

4.9707, 0.3127, 0.3290

Achromatomaly

5.0646, 0.4315, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7980, 0.5622, 0.2870 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(186, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 63)  
}
```

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(186, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 63) }
```

Border

The CSS property to change the border of an element to Yxy 10.7980, 0.5622, 0.2870 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(186, 0, 63) }
```

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

```
.border{ border-color:rgb(186, 0, 63) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 63)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7980, 0.5622, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 63) }
```

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

```
.background{ background-color: rgb(186, 0,  
63) }
```

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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