

Converting Colors

$Y_{xy}(11.9069, 0.4367, 0.2610)$

Have a look what the booklet for
Yxy(11.9069, 0.4367, 0.2610)
contains.

Yxy(11.8303, 0.4360, 0.2602)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.8303, 0.4360, 0.2602)

Conversions

Conversions Part 1

Format	Color
Hex	A83566
RGB	168, 53, 102
RGB Percent	66%, 21%, 40%
CMY	0.3411, 0.7922, 0.5999
CMYK	0.00, 0.68, 0.39, 0.34
HSL	334°, 52%, 43%
HSV	334°, 68%, 66%
XYZ	19.8233, 11.8303, 13.8126
YIQ	92.9710, 52.8110, 39.6190

Conversions

Conversions Part 2

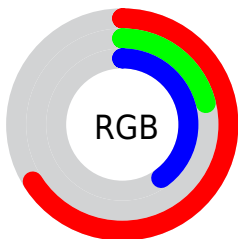
Format	Color
RYB	168, 53, 102
Decimal	11023718
CIELab	40.95, 51.06, -2.31
CIELCh	41, 51.116, 357.408
Yxy	11.8303, 0.4360, 0.2602
Android (android.graphics.Color)	4289213798 (0xFFA83566)
YUV	92.9710, 4.4513, 65.8004
Hunter-Lab	34.3952, 42.6847, 0.2666

Details

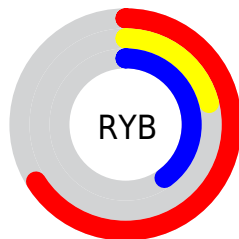
The Yxy color **11.8303, 0.4360, 0.2602** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **30.1000, 0.2642, 0.4229**, and the grayscale version is **10.9182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1462, 0.4052, 0.2767**, and **3.6553, 0.4883, 0.2463** is the 20% darker color. If you saturate the color by 10%, you get **10.3788, 0.4644, 0.2573**, and if you desaturate by 10%, it is **13.8422, 0.4095, 0.2669**.

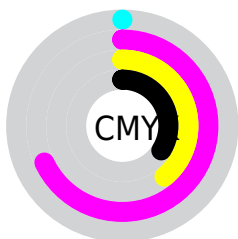
Distribution



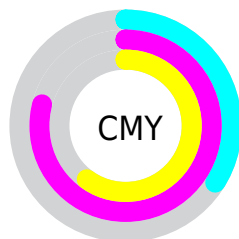
- Red (66%)
- Green (21%)
- Blue (40%)



- Red (66%)
- Yellow (21%)
- Blue (40%)



- Cyan (0%)
- Magenta (68%)
- Yellow (39%)
- Black (34%)




- Cyan (34%)
- Magenta (79%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8303, 0.4360, 0.2602 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 11.8303, 0.4360, 0.2602 by changing the saturation by 10% instead.


 11.8303, 0.4360,
0.2602


 11.8303, 0.4360,
0.2602


203.2786, 0.3614,
0.3014


 6.6282, 0.4608,
0.2468


 29.1857, 0.4049,
0.2772


 3.2307, 0.4975,
0.2272

 42.1077, 0.3945,
0.2829


 1.2533, 0.5566,
0.1962

 58.3719, 0.3862,
0.2875

 0.1046, 0.7927,
0.0571

 78.3626, 0.3794,
0.2913

 0.0000, 1.0000,
0.0000

 102.4643, 0.3738,
0.2944

 0.0000, 0.0000,
0.0000

 131.0612, 0.3690,

0.2971

164.5378, 0.3650,
0.2994

■ 11.8303, 0.4360,
0.2602

■ 11.8303, 0.4360,
0.2602

■ 10.3788, 0.4644,
0.2573

■ 13.8422, 0.4095,
0.2669

■ 9.4259, 0.4933,
0.2592

■ 16.4639, 0.3858,
0.2762

■ 8.8650, 0.5211,
0.2657

■ 19.7414, 0.3653,
0.2869

■ 8.7897, 0.5253,
0.2668

■ 23.7157, 0.3479,
0.2982

■ 28.4244, 0.3333,
0.3094

■ 33.9026, 0.3213,
0.3203

■ 40.1828, 0.3113,
0.3305

■ 47.2960, 0.3031,
0.3401

■ 55.2711, 0.2964,
0.3489

Harmonies

Analogous

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



11.8303, 0.3196, 0.2071



11.8303, 0.4360, 0.2602



11.8303, 0.5167, 0.3268

Triad

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



11.8303, 0.4360, 0.2602



11.8303, 0.3753, 0.5342



11.8303, 0.1355, 0.2038

Complementary

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



11.8303, 0.4360, 0.2602



30.1000, 0.2642, 0.4229

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.



11.8303, 0.1434, 0.2786



11.8303, 0.4360, 0.2602



11.8303, 0.2749, 0.5159

Square

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



11.8303, 0.4360, 0.2602



11.8303, 0.4660, 0.4767



11.8303, 0.1899, 0.4023



11.8303, 0.1607, 0.1740

Rectangle

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



11.8303, 0.4360, 0.2602



11.8303, 0.5293, 0.3749



11.8303, 0.1899, 0.4023



11.8303, 0.1344, 0.2230

Sweetspot

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



11.8309, 0.4360, 0.2602



48.9333, 0.3373, 0.3062



9.2357, 0.2511, 0.1464



10.1698, 0.3411, 0.3032



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.



11.8309, 0.4360, 0.2602



17.8528, 0.4790, 0.2576



11.8840, 0.5267, 0.3394



7.5934, 0.3222, 0.3194



6.6459, 0.5229, 0.2654



0.1720, 0.4408, 0.2202

Inverse Universe

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



11.8309, 0.4360, 0.2602



17.8528, 0.4790, 0.2576



28.8471, 0.2313, 0.3152



7.5934, 0.3222, 0.3194



6.6459, 0.5229, 0.2654



0.1720, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 11.8303, 0.4360, 0.2602 looks on a white background.

Color Contrast Check

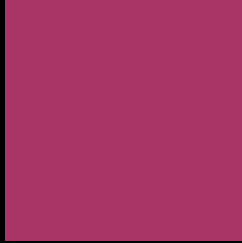
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8303, 0.4360, 0.2602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

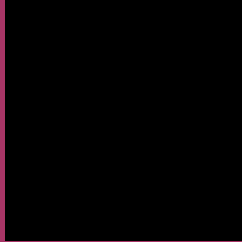
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8303, 0.4360, 0.2602

Background



This preview shows how black text looks on a background with the Yxy color 11.8303, 0.4360, 0.2602.



This preview shows how white text looks on a background with the Yxy color 11.8303, 0.4360, 0.2602.

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

11.8303, 0.4360, 0.2602

Protanopia

12.0254, 0.2609, 0.2578

Deuteranopia

11.9757, 0.3301, 0.3246



Tritanopia

11.9339, 0.5018, 0.3254

Trichromacy



Original Color

11.8303, 0.4360, 0.2602

Protanomaly

10.8511, 0.3132, 0.2511

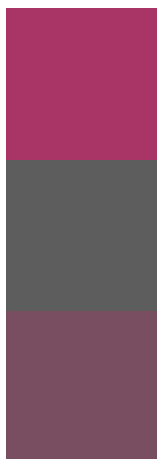
Deuteranomaly

11.1409, 0.3683, 0.2920

Tritanomaly

11.8935, 0.4806, 0.3028

Monochromacy



Original Color

11.8303, 0.4360, 0.2602

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.2864, 0.3569, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8303, 0.4360, 0.2602 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(168, 53, 102)` looks like.

```
.text, #text, p{  
    color:rgb(168, 53, 102)  
}
```

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(168, 53, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 53, 102) }
```

Border

The CSS property to change the border of an element to Yxy 11.8303, 0.4360, 0.2602 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(168, 53, 102) }
```

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

```
.border{ border-color:rgb(168, 53, 102) }
```

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

Here you see how a box with a 4 pixel rgb(168, 53, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 53, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 53, 102);  
box-shadow:4px 4px 4px 4px rgb(168, 53,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8303, 0.4360, 0.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 53, 102) }
```

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

```
.background{ background-color: rgb(168, 53,  
102) }
```

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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