

Converting Colors

$Y_{xy}(11.2863, 0.3497, 0.1836)$

Have a look what the booklet for
Yxy(11.2863, 0.3497, 0.1836)
contains.

Yxy(11.3013, 0.3503, 0.1838)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.3013, 0.3503, 0.1838)

Conversions

Conversions Part 1

Format	Color
Hex	A62193
RGB	166, 33, 147
RGB Percent	65%, 13%, 58%
CMY	0.3489, 0.8707, 0.4236
CMYK	0.00, 0.80, 0.11, 0.35
HSL	309°, 67%, 39%
HSV	309°, 80%, 65%
XYZ	21.5389, 11.3013, 28.6468
YIQ	85.7630, 42.6740, 63.6500

Conversions

Conversions Part 2

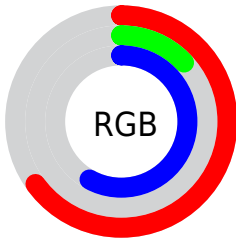
Format	Color
R_{YB}	166, 33, 147
Decimal	10887571
CIE _{Lab}	40.08, 63.10, -31.46
CIE _{LCh}	40, 70.504, 333.499
Yxy	11.3013, 0.3503, 0.1838
Android (android.graphics.Color)	4289077651 (0xFFA62193)
YUV	85.7630, 30.1898, 70.3678
Hunter-Lab	33.6174, 55.5356, -26.9912

Details

The Yxy color **11.3013, 0.3503, 0.1838** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **27.8509, 0.2943, 0.5507**, and the grayscale version is **9.1791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0697, 0.3440, 0.2132**, and **4.1595, 0.3541, 0.1724** is the 20% darker color. If you saturate the color by 10%, you get **10.5235, 0.3555, 0.1781**, and if you desaturate by 10%, it is **12.5360, 0.3449, 0.1938**.

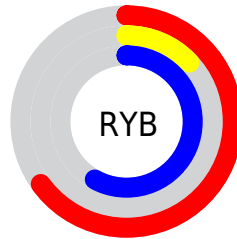
Distribution



Red (65%)

Green (13%)

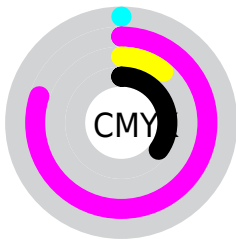
Blue (58%)



Red (65%)

Yellow (13%)

Blue (58%)

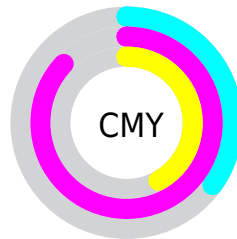


Cyan (0%)

Magenta (80%)

Yellow (11%)

Black (35%)



Cyan (35%)


Magenta (87%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3013, 0.3503, 0.1838 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 11.3013, 0.3503, 0.1838 by changing the saturation by 10% instead.


 11.3013, 0.3503,
0.1838


 11.3013, 0.3503,
0.1838


199.7231, 0.3317,
0.2621


 6.2699, 0.3544,
0.1630


 28.2160, 0.3438,
0.2134


 3.0099, 0.3589,
0.1359


 40.8680, 0.3413,
0.2242


 1.1369, 0.3631,
0.1004

 56.8291, 0.3391,
0.2332

 0.0092, 0.3841,
0.0020

 76.4835, 0.3372,
0.2408

 0.0000, 0.3309,
0.0000

 100.2158, 0.3356,
0.2472

 0.0000, 0.0000,
0.0000

 128.4102, 0.3341,

0.2529

161.4512, 0.3329,
0.2578

■ 11.3013, 0.3503,
0.1838

■ 11.3013, 0.3503,
0.1838

■ 10.5235, 0.3555,
0.1781

■ 12.5360, 0.3449,
0.1938

■ 10.0706, 0.3603,
0.1759

■ 14.2850, 0.3395,
0.2078

■ 16.5991, 0.3341,
0.2250

■ 19.5224, 0.3290,
0.2445

■ 23.0949, 0.3243,
0.2654

■ 27.3529, 0.3200,
0.2868

■ 32.3302, 0.3161,
0.3081

■ 38.0583, 0.3128,
0.3287

■ 44.5668, 0.3098,
0.3483

Harmonies

Analogous

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



11.3013, 0.2120, 0.1426



11.3013, 0.3503, 0.1838



11.3013, 0.5120, 0.2503

Triad

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



11.3013, 0.3503, 0.1838



11.3013, 0.4739, 0.5261



11.3013, 0.0933, 0.2265

Complementary

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



11.3013, 0.3503, 0.1838



27.8509, 0.2943, 0.5507

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.



11.3013, 0.1313, 0.3877



11.3013, 0.3503, 0.1838



11.3013, 0.3454, 0.6153

Square

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



11.3013, 0.3503, 0.1838



11.3013, 0.5695, 0.4151



11.3013, 0.2233, 0.5821



11.3013, 0.0957, 0.1529

Rectangle

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



11.3013, 0.3503, 0.1838



11.3013, 0.5823, 0.3009



11.3013, 0.2233, 0.5821



11.3013, 0.1006, 0.2692

Sweetspot

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



11.3019, 0.3503, 0.1838



46.1452, 0.3218, 0.2776



4.5366, 0.1762, 0.0911



9.7423, 0.3233, 0.2702



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.



11.3019, 0.3503, 0.1838



18.4891, 0.3592, 0.1766



9.8010, 0.4876, 0.2687



7.6479, 0.3158, 0.3099



7.8123, 0.3599, 0.1756



0.1950, 0.3453, 0.1676

Inverse Universe

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



11.3019, 0.3503, 0.1838



18.4891, 0.3592, 0.1766



28.8929, 0.2574, 0.4253



7.6479, 0.3158, 0.3099



7.8123, 0.3599, 0.1756



0.1950, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 11.3013, 0.3503, 0.1838 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 11.3013, 0.3503, 0.1838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

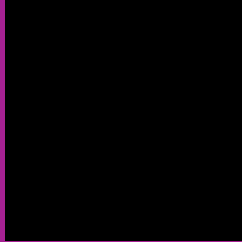
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3013, 0.3503, 0.1838

Background



This preview shows how black text looks on a background with the Yxy color 11.3013, 0.3503, 0.1838.



This preview shows how white text looks on a background with the Yxy color 11.3013, 0.3503, 0.1838.

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

11.3013, 0.3503, 0.1838

Protanopia

11.6398, 0.1742, 0.1470

Deuteranopia

11.6682, 0.2397, 0.2352



Tritanopia

11.3532, 0.4837, 0.3235

Trichromacy



Original Color

11.3013, 0.3503, 0.1838



Protanomaly

8.6815, 0.1899, 0.1357



Deuteranomaly

9.9027, 0.2709, 0.1968



Tritanomaly

10.9863, 0.4359, 0.2642

Monochromacy



Original Color

11.3013, 0.3503, 0.1838



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

8.7419, 0.3294, 0.2443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3013, 0.3503, 0.1838 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(166, 33, 147)` looks like.

```
.text, #text, p{  
    color:rgb(166, 33, 147)  
}
```

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(166, 33, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 33, 147) }
```

Border

The CSS property to change the border of an element to Yxy 11.3013, 0.3503, 0.1838 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(166, 33, 147) }
```

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

```
.border{ border-color:rgb(166, 33, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 33, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 33, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 33, 147);  
box-shadow:4px 4px 4px 4px rgb(166, 33,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3013, 0.3503, 0.1838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 33, 147) }
```

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

```
.background{ background-color: rgb(166, 33,  
147) }
```

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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