

Converting Colors

$Y_{xy}(11.4028, 0.3624, 0.2064)$

Have a look what the booklet for
Yxy(11.4028, 0.3624, 0.2064)
contains.

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Color

Yxy(11.4122, 0.3636, 0.2069)

Conversions

Conversions Part 1

Format	Color
Hex	A13086
RGB	161, 48, 134
RGB Percent	63%, 19%, 53%
CMY	0.3687, 0.8117, 0.4746
CMYK	0.00, 0.70, 0.17, 0.37
HSL	314°, 54%, 41%
HSV	314°, 70%, 63%
XYZ	20.0555, 11.4122, 23.6904
YIQ	91.5910, 39.7420, 50.7020

Conversions

Conversions Part 2

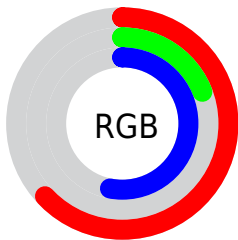
Format	Color
RYB	161, 48, 134
Decimal	10563718
CIELab	40.27, 55.14, -23.28
CIElCh	40, 59.856, 337.111
Yxy	11.4122, 0.3636, 0.2069
Android (android.graphics.Color)	4288753798 (0xFFA13086)
YUV	91.5910, 20.9076, 60.8717
Hunter-Lab	33.7819, 46.8524, -17.9311

Details

The Yxy color **11.4122, 0.3636, 0.2069** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **26.6251, 0.2882, 0.5037**, and the grayscale version is **10.5502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5486, 0.3537, 0.2341**, and **3.7043, 0.3781, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **10.2204, 0.3731, 0.1981**, and if you desaturate by 10%, it is **13.0870, 0.3543, 0.2196**.

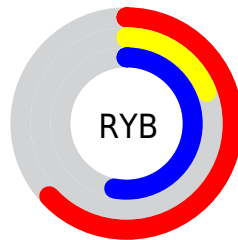
Distribution



Red (63%)

Green (19%)

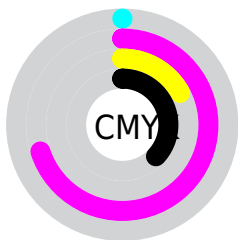
Blue (53%)



Red (63%)

Yellow (19%)

Blue (53%)

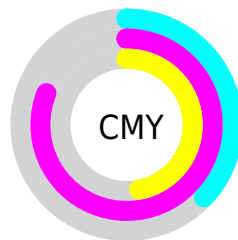


Cyan (0%)

Magenta (70%)

Yellow (17%)

Black (37%)



Cyan (37%)

Magenta (81%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4122, 0.3636, 0.2069 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 11.4122, 0.3636, 0.2069 by changing the saturation by 10% instead.


 11.4122, 0.3636,
0.2069


 11.4122, 0.3636,
0.2069


 200.4741, 0.3357,
0.2746


 6.3448, 0.3713,
0.1878


 28.4199, 0.3529,
0.2332

 3.0559, 0.3815,
0.1622


 41.1290, 0.3490,
0.2425


 1.1610, 0.3954,
0.1265

 57.1542, 0.3458,
0.2502

 0.0295, 0.4442,
0.0088

 76.8797, 0.3431,
0.2567

 0.0000, 0.4147,
0.0000

 100.6901, 0.3409,
0.2622

 0.0000, 0.0000,
0.0000

 128.9697, 0.3389,

0.2669

162.1029, 0.3372,
0.2710

■ 11.4122, 0.3636,
0.2069

■ 11.4122, 0.3636,
0.2069

■ 10.2204, 0.3731,
0.1981

■ 13.0870, 0.3543,
0.2196

■ 9.4552, 0.3825,
0.1938

■ 15.2896, 0.3454,
0.2354

■ 8.9937, 0.3916,
0.1931

■ 18.0616, 0.3373,
0.2532

■ 21.4399, 0.3299,
0.2721

■ 25.4583, 0.3234,
0.2914

■ 30.1482, 0.3177,
0.3104

■ 35.5388, 0.3128,
0.3287

■ 41.6577, 0.3086,
0.3460

■ 48.5308, 0.3051,
0.3622

Harmonies

Analogous

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



11.4122, 0.2379, 0.1651



11.4122, 0.3636, 0.2069



11.4122, 0.4967, 0.2709

Triad

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



11.4122, 0.3636, 0.2069



11.4122, 0.4493, 0.5188



11.4122, 0.1144, 0.2322

Complementary

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



11.4122, 0.3636, 0.2069



26.6251, 0.2882, 0.5037

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.



11.4122, 0.1479, 0.3614



11.4122, 0.3636, 0.2069



11.4122, 0.3390, 0.5785

Square

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



11.4122, 0.3636, 0.2069



11.4122, 0.5350, 0.4276



11.4122, 0.2288, 0.5218



11.4122, 0.1190, 0.1694

Rectangle

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



11.4122, 0.3636, 0.2069



11.4122, 0.5512, 0.3196



11.4122, 0.2288, 0.5218



11.4122, 0.1207, 0.2673

Sweetspot

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



11.4128, 0.3636, 0.2069



44.6533, 0.3241, 0.2890



6.1600, 0.2034, 0.1211



9.3712, 0.3257, 0.2841



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



11.4128, 0.3636, 0.2069



17.4765, 0.3782, 0.1952



10.2445, 0.4801, 0.2870



7.1731, 0.3172, 0.3121



7.1902, 0.3909, 0.1927



0.1577, 0.3610, 0.1762

Inverse Universe

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



11.4128, 0.3636, 0.2069



17.4765, 0.3782, 0.1952



27.7516, 0.2520, 0.3874



7.1731, 0.3172, 0.3121



7.1902, 0.3909, 0.1927



0.1577, 0.3610, 0.1762

Previews

White Background



This preview shows how the Yxy color 11.4122, 0.3636, 0.2069 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 11.4122, 0.3636, 0.2069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

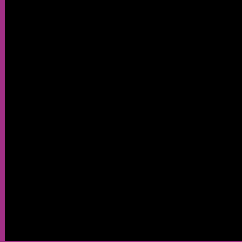
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.4122, 0.3636, 0.2069

Background



This preview shows how black text looks on a background with the Yxy color 11.4122, 0.3636, 0.2069.



This preview shows how white text looks on a background with the Yxy color 11.4122, 0.3636, 0.2069.

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

11.4122, 0.3636, 0.2069

Protanopia

11.6988, 0.2015, 0.1804

Deuteranopia

11.6124, 0.2625, 0.2571



Tritanopia

11.4378, 0.4708, 0.3232

Trichromacy



Original Color

11.4122, 0.3636, 0.2069



Protanomaly

10.2632, 0.2373, 0.1784



Deuteranomaly

10.5643, 0.2942, 0.2260



Tritanomaly

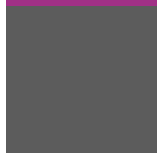
11.2080, 0.4323, 0.2762

Monochromacy



Original Color

11.4122, 0.3636, 0.2069



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.0123, 0.3330, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4122, 0.3636, 0.2069 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(161, 48, 134)` looks like.

```
.text, #text, p{  
    color:rgb(161, 48, 134)  
}
```

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(161, 48, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 48, 134) }
```

Border

The CSS property to change the border of an element to Yxy 11.4122, 0.3636, 0.2069 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(161, 48, 134) }
```

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

```
.border{ border-color:rgb(161, 48, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 48, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 48, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 48, 134);  
box-shadow:4px 4px 4px 4px rgb(161, 48,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 11.4122, 0.3636, 0.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 48, 134) }
```

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

```
.background{ background-color: rgb(161, 48,  
134) }
```

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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