

Converting Colors

$Y_{xy}(11.6903, 0.3437, 0.1983)$

Have a look what the booklet for
Yxy(11.6903, 0.3437, 0.1983)
contains.

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Color

Yxy(11.7083, 0.3428, 0.1979)

Conversions

Conversions Part 1

Format	Color
Hex	9E348F
RGB	158, 52, 143
RGB Percent	62%, 20%, 56%
CMY	0.3805, 0.7959, 0.4393
CMYK	0.00, 0.67, 0.09, 0.38
HSL	308°, 50%, 41%
HSV	308°, 67%, 62%
XYZ	20.2810, 11.7083, 27.1734
YIQ	94.0680, 33.9650, 50.7730

Conversions

Conversions Part 2

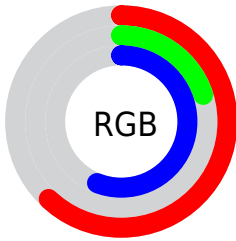
Format	Color
R _Y B	158, 52, 143
Decimal	10368143
CIE Lab	40.75, 54.17, -28.08
CIE LCh	41, 61.018, 332.604
Yxy	11.7083, 0.3428, 0.1979
Android (android.graphics.Color)	4288558223 (0xFF9E348F)
YUV	94.0680, 24.1235, 56.0684
Hunter-Lab	34.2174, 45.9182, -23.1324

Details

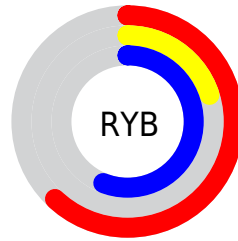
The Yxy color **11.7083, 0.3428, 0.1979** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **25.5794, 0.2948, 0.5145**, and the grayscale version is **11.1503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9937, 0.3375, 0.2257**, and **3.6563, 0.3481, 0.1691** is the 20% darker color. If you saturate the color by 10%, you get **10.4586, 0.3481, 0.1865**, and if you desaturate by 10%, it is **13.4324, 0.3374, 0.2130**.

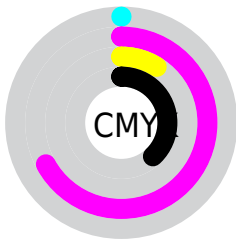
Distribution



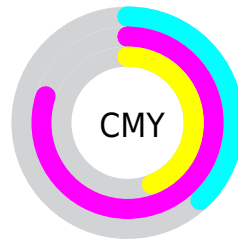
- Red (62%)
- Green (20%)
- Blue (56%)



- Red (62%)
- Yellow (20%)
- Blue (56%)



- Cyan (0%)
- Magenta (67%)
- Yellow (9%)
- Black (38%)





- Cyan (38%)
- Magenta (80%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7083, 0.3428, 0.1979 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 11.7083, 0.3428, 0.1979 by changing the saturation by 10% instead.


 11.7083, 0.3428,
0.1979


 11.7083, 0.3428,
0.1979


 202.4645, 0.3279,
0.2696


 6.5454, 0.3461,
0.1782


 28.9627, 0.3376,
0.2254


 3.1795, 0.3497,
0.1522


 41.8230, 0.3356,
0.2353


 1.2261, 0.3529,
0.1169

 58.0178, 0.3338,
0.2435

 0.0829, 0.3714,
0.0201

 77.9316, 0.3323,
0.2504

 0.0000, 0.2917,
0.0000

 101.9488, 0.3310,
0.2562

 0.0000, 0.0000,
0.0000

 130.4538, 0.3298,

0.2613

163.8308, 0.3288,
0.2657

■ 11.7083, 0.3428,
0.1979

■ 11.7083, 0.3428,
0.1979

■ 10.4586, 0.3481,
0.1865

■ 13.4324, 0.3374,
0.2130

■ 9.6324, 0.3533,
0.1793

■ 15.6718, 0.3322,
0.2310

■ 9.1527, 0.3582,
0.1762

■ 18.4647, 0.3273,
0.2510

■ 9.0329, 0.3597,
0.1755

■ 21.8453, 0.3228,
0.2721

■ 25.8451, 0.3187,
0.2935

■ 30.4933, 0.3150,
0.3146

■ 35.8172, 0.3118,
0.3349

■ 41.8427, 0.3090,
0.3541

■ 48.5941, 0.3067,
0.3721

Harmonies

Analogous

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



11.7083, 0.2219, 0.1600



11.7083, 0.3428, 0.1979



11.7083, 0.4810, 0.2596

Triad

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



11.7083, 0.3428, 0.1979



11.7083, 0.4653, 0.5066



11.7083, 0.1152, 0.2460

Complementary

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



11.7083, 0.3428, 0.1979



25.5794, 0.2948, 0.5145

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.



11.7083, 0.1555, 0.3867



11.7083, 0.3428, 0.1979



11.7083, 0.3557, 0.5771

Square

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



11.7083, 0.3428, 0.1979



11.7083, 0.5456, 0.4143



11.7083, 0.2433, 0.5425



11.7083, 0.1148, 0.1741

Rectangle

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



11.7083, 0.3428, 0.1979



11.7083, 0.5449, 0.3078



11.7083, 0.2433, 0.5425



11.7083, 0.1236, 0.2851

Sweetspot

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



11.7089, 0.3428, 0.1979



44.4009, 0.3200, 0.2864



6.0919, 0.1981, 0.1250



9.5740, 0.3211, 0.2807



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.



11.7089, 0.3428, 0.1979



18.2347, 0.3505, 0.1827



10.4793, 0.4449, 0.2710



6.7384, 0.3158, 0.3100



7.2421, 0.3593, 0.1753



0.1335, 0.3419, 0.1657

Inverse Universe

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



11.7089, 0.3428, 0.1979



18.2347, 0.3505, 0.1827



26.5089, 0.2604, 0.4066



6.7384, 0.3158, 0.3100



7.2421, 0.3593, 0.1753



0.1335, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 11.7083, 0.3428, 0.1979 looks on a white background.

Color Contrast Check

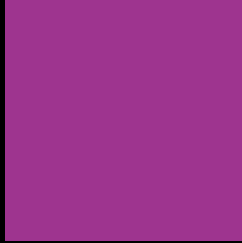
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7083, 0.3428, 0.1979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

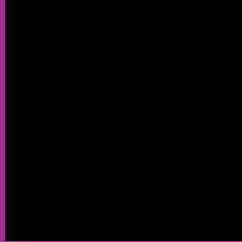
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7083, 0.3428, 0.1979

Background



This preview shows how black text looks on a background with the Yxy color 11.7083, 0.3428, 0.1979.



This preview shows how white text looks on a background with the Yxy color 11.7083, 0.3428, 0.1979.

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

11.7083, 0.3428, 0.1979

Protanopia

12.0576, 0.1943, 0.1709

Deuteranopia

11.9823, 0.2482, 0.2438



Tritanopia

11.7499, 0.4487, 0.3211

Trichromacy



Original Color

11.7083, 0.3428, 0.1979

Protanomaly

10.6061, 0.2252, 0.1695

Deuteranomaly

10.9164, 0.2755, 0.2154

Tritanomaly

11.5902, 0.4106, 0.2709

Monochromacy



Original Color

11.7083, 0.3428, 0.1979

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.5437, 0.3242, 0.2618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7083, 0.3428, 0.1979 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(158, 52, 143)` looks like.

```
.text, #text, p{  
    color:rgb(158, 52, 143)  
}
```

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(158, 52, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 52, 143) }
```

Border

The CSS property to change the border of an element to Yxy 11.7083, 0.3428, 0.1979 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(158, 52, 143) }
```

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

```
.border{ border-color:rgb(158, 52, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 52, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 52, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 52, 143);  
box-shadow:4px 4px 4px 4px rgb(158, 52,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7083, 0.3428, 0.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 52, 143) }
```

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

```
.background{ background-color: rgb(158, 52,  
143) }
```

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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