

Converting Colors

$Y_{xy}(17.9870, 0.3144, 0.2139)$

Have a look what the booklet for
Yxy(17.9870, 0.3144, 0.2139)
contains.

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Color

Yxy(17.9510, 0.3142, 0.2139)

Conversions

Conversions Part 1

Format	Color
Hex	A658A9
RGB	166, 88, 169
RGB Percent	65%, 35%, 66%
CMY	0.3492, 0.6547, 0.3373
CMYK	0.02, 0.48, 0.00, 0.34
HSL	298°, 32%, 50%
HSV	298°, 48%, 66%
XYZ	26.3684, 17.9510, 39.6030
YIQ	120.5560, 20.4870, 41.7270

Conversions

Conversions Part 2

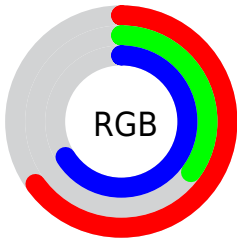
Format	Color
R _Y B	166, 88, 169
Decimal	10901673
CIE Lab	49.44, 44.05, -29.94
CIE LCh	49, 53.260, 325.792
Yxy	17.9510, 0.3142, 0.2139
Android (android.graphics.Color)	4289091753 (0xFFA658A9)
YUV	120.5560, 23.8829, 39.8544
Hunter-Lab	42.3686, 36.9457, -25.7618

Details

The Yxy color **17.9510, 0.3142, 0.2139** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.3027, 0.3081, 0.4758**, and the grayscale version is **18.8890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1740, 0.3152, 0.2365**, and **6.0522, 0.3100, 0.1778** is the 20% darker color. If you saturate the color by 10%, you get **15.4222, 0.3141, 0.1937**, and if you desaturate by 10%, it is **21.1248, 0.3141, 0.2365**.

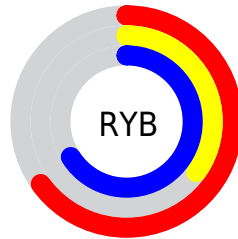
Distribution



Red (65%)

Green (35%)

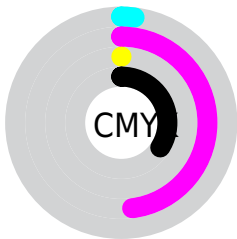
Blue (66%)



Red (65%)

Yellow (35%)

Blue (66%)

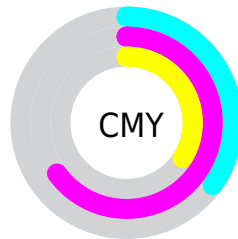


Cyan (2%)

Magenta (48%)

Yellow (0%)

Black (34%)



Cyan (35%)


Magenta (65%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9510, 0.3142, 0.2139 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 17.9510, 0.3142, 0.2139 by changing the saturation by 10% instead.


 17.9510, 0.3142,
0.2139


 17.9510, 0.3142,
0.2139


240.5947, 0.3155,
0.2742


 10.9148, 0.3130,
0.1982


 39.9538, 0.3153,
0.2364


 6.0096, 0.3107,
0.1779


 55.6892, 0.3155,
0.2446

 2.8509, 0.3064,
0.1507

 75.0932, 0.3156,
0.2516

 1.0544, 0.2973,
0.1136

 98.5501, 0.3156,
0.2575

 0.0000, 0.2946,
0.0000

126.4442, 0.3156,
0.2626

 0.0000, 0.0000,
0.0000

159.1602, 0.3156,

0.2670

197.0822, 0.3156,
0.2708

■ 17.9510, 0.3142,
0.2139

■ 17.9510, 0.3142,
0.2139

■ 15.4222, 0.3141,
0.1937

■ 21.1248, 0.3141,
0.2365

■ 13.4909, 0.3138,
0.1768

■ 24.9820, 0.3139,
0.2607

■ 12.1071, 0.3133,
0.1638


■ 29.5608, 0.3136,
0.2855

■ 11.2115, 0.3126,
0.1550

■ 34.8957, 0.3131,
0.3101

■ 10.7055, 0.3118,
0.1500


■ 41.0193, 0.3126,
0.3339

 10.6145, 0.3116,
0.1490

 47.9621, 0.3120,
0.3566

 55.7530, 0.3115,
0.3778

 64.4196, 0.3109,
0.3973

 73.9880, 0.3103,
0.4153

Harmonies

Analogous

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



17.9510, 0.2249, 0.1867



17.9510, 0.3142, 0.2139



17.9510, 0.4196, 0.2631

Triad

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



17.9510, 0.3142, 0.2139



17.9510, 0.4603, 0.4647



17.9510, 0.1575, 0.2898

Complementary

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



17.9510, 0.3142, 0.2139



31.3027, 0.3081, 0.4758

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.



17.9510, 0.2043, 0.4020



17.9510, 0.3142, 0.2139



17.9510, 0.3785, 0.5150

Square

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



17.9510, 0.3142, 0.2139



17.9510, 0.5079, 0.3948



17.9510, 0.2852, 0.4993



17.9510, 0.1474, 0.2171

Rectangle

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



17.9510, 0.3142, 0.2139



17.9510, 0.4768, 0.3040



17.9510, 0.2852, 0.4993



17.9510, 0.1688, 0.3241

Sweetspot

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



17.9518, 0.3142, 0.2139



56.2815, 0.3134, 0.2945



12.6098, 0.2249, 0.1888



11.8502, 0.3135, 0.2894



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.



17.9518, 0.3142, 0.2139



27.5788, 0.3141, 0.1935



17.1003, 0.3688, 0.2622



7.6521, 0.3132, 0.3067



7.9180, 0.3117, 0.1491



0.1969, 0.3150, 0.1509

Inverse Universe

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



16.1756, 0.4365, 0.3248



24.0658, 0.4795, 0.3243



31.9135, 0.2804, 0.4090



7.5467, 0.3280, 0.3282



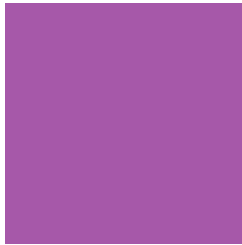
6.2987, 0.6349, 0.3271



0.1546, 0.6123, 0.3147

Previews

White Background



This preview shows how the Yxy color 17.9510, 0.3142, 0.2139 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 17.9510, 0.3142, 0.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

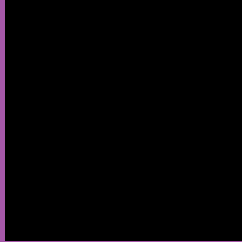
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9510, 0.3142, 0.2139

Background



This preview shows how black text looks on a background with the Yxy color 17.9510, 0.3142, 0.2139.



This preview shows how white text looks on a background with the Yxy color 17.9510, 0.3142, 0.2139.

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

17.9510, 0.3142, 0.2139

Protanopia

18.3713, 0.2185, 0.2029

Deuteranopia

18.2865, 0.2500, 0.2451



Tritanopia

17.8976, 0.3826, 0.3161

Trichromacy



Original Color

17.9510, 0.3142, 0.2139

Protanomaly

17.4818, 0.2440, 0.2030

Deuteranomaly

17.4969, 0.2698, 0.2287

Tritanomaly

17.7651, 0.3576, 0.2753

Monochromacy



Original Color

17.9510, 0.3142, 0.2139

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.0906, 0.3138, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9510, 0.3142, 0.2139 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, 88, 169)` looks like.

```
.text, #text, p{  
    color:rgb(166, 88, 169)  
}
```

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, 88, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 88, 169) }
```

Border

The CSS property to change the border of an element to Yxy 17.9510, 0.3142, 0.2139 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, 88, 169) }
```

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

```
.border{ border-color:rgb(166, 88, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 88, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 88, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 88, 169);  
box-shadow:4px 4px 4px 4px rgb(166, 88,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9510, 0.3142, 0.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 88, 169) }
```

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

```
.background{ background-color: rgb(166, 88,  
169) }
```

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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