

Converting Colors

$Y_{xy}(17.5471, 0.3324, 0.2132)$

Have a look what the booklet for
Yxy(17.5471, 0.3324, 0.2132)
contains.

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Color

Yxy(17.5679, 0.3316, 0.2131)

Conversions

Conversions Part 1

Format	Color
Hex	AF50A5
RGB	175, 80, 165
RGB Percent	69%, 31%, 65%
CMY	0.3137, 0.6862, 0.3530
CMYK	0.00, 0.54, 0.06, 0.31
HSL	306°, 37%, 50%
HSV	306°, 54%, 69%
XYZ	27.3370, 17.5679, 37.5348
YIQ	118.0950, 29.3350, 46.5750

Conversions

Conversions Part 2

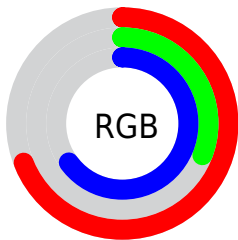
Format	Color
R _Y B	175, 80, 165
Decimal	11489445
CIE Lab	48.97, 50.01, -28.22
CIE LCh	49, 57.425, 330.565
Yxy	17.5679, 0.3316, 0.2131
Android (android.graphics.Color)	4289679525 (0xFFAF50A5)
YUV	118.0950, 23.1242, 49.9057
Hunter-Lab	41.9141, 43.0708, -23.7554

Details

The Yxy color **17.5679, 0.3316, 0.2131** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **33.1041, 0.2987, 0.4827**, and the grayscale version is **18.0686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2660, 0.3296, 0.2357**, and **5.8386, 0.3343, 0.1766** is the 20% darker color. If you saturate the color by 10%, you get **15.2640, 0.3357, 0.1967**, and if you desaturate by 10%, it is **20.5417, 0.3276, 0.2323**.

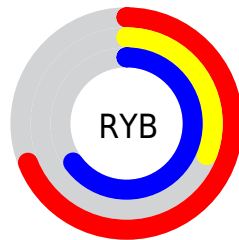
Distribution



Red (69%)

Green (31%)

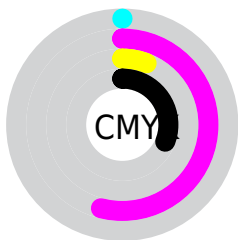
Blue (65%)



Red (69%)

Yellow (31%)

Blue (65%)

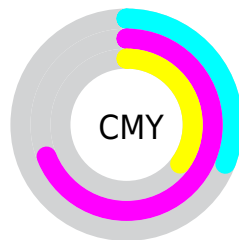


Cyan (0%)

Magenta (54%)

Yellow (6%)

Black (31%)



Cyan (31%)


Magenta (69%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5679, 0.3316, 0.2131 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 17.5679, 0.3316, 0.2131 by changing the saturation by 10% instead.


 17.5679, 0.3316,
0.2131


 17.5679, 0.3316,
0.2131


238.4241, 0.3232,
0.2738

 10.6402, 0.3331,
0.1973


 39.2996, 0.3289,
0.2357


 5.8255, 0.3346,
0.1768


 54.8725, 0.3278,
0.2440


 2.7392, 0.3356,
0.1495


 74.0959, 0.3268,
0.2510

 0.9972, 0.3345,
0.1120

 97.3541, 0.3259,
0.2570

 0.0000, 0.3473,
0.0000

 125.0317, 0.3251,
0.2621

 0.0000, 0.0854,
0.0000

157.5129, 0.3244,

 0.0000, 0.0000,

0.2665

0.0000

195.1823, 0.3238,
0.2704

■ 17.5679, 0.3316,
0.2131

■ 17.5679, 0.3316,
0.2131

■ 15.2640, 0.3357,
0.1967

■ 20.5417, 0.3276,
0.2323

■ 13.5747, 0.3398,
0.1839

■ 24.2303, 0.3237,
0.2535

■ 12.4397, 0.3437,
0.1754

■ 28.6775, 0.3201,
0.2756

■ 11.7856, 0.3473,
0.1711

■ 33.9230, 0.3168,
0.2980

■ 11.5320, 0.3493,
0.1698

■ 40.0035, 0.3139,
0.3199

■ 46.9536, 0.3113,
0.3409

■ 54.8060, 0.3090,
0.3607

■ 63.5915, 0.3070,
0.3792

■ 73.3396, 0.3054,
0.3963

Harmonies

Analogous

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



17.5679, 0.2310, 0.1805



17.5679, 0.3316, 0.2131



17.5679, 0.4452, 0.2677

Triad

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



17.5679, 0.3316, 0.2131



17.5679, 0.4562, 0.4829



17.5679, 0.1429, 0.2694

Complementary

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



17.5679, 0.3316, 0.2131



33.1041, 0.2987, 0.4827

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.



17.5679, 0.1849, 0.3872



17.5679, 0.3316, 0.2131



17.5679, 0.3647, 0.5340

Square

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



17.5679, 0.3316, 0.2131



17.5679, 0.5169, 0.4078



17.5679, 0.2657, 0.5044



17.5679, 0.1386, 0.2005

Rectangle

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



17.5679, 0.3316, 0.2131



17.5679, 0.5015, 0.3115



17.5679, 0.2657, 0.5044



17.5679, 0.1524, 0.3039

Sweetspot

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



17.5687, 0.3316, 0.2131



58.7607, 0.3174, 0.2935



10.9836, 0.2184, 0.1623



12.6273, 0.3181, 0.2890



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



17.5687, 0.3316, 0.2131



26.6996, 0.3365, 0.1941



16.1612, 0.4038, 0.2740



8.1333, 0.3153, 0.3090



8.2640, 0.3489, 0.1696



0.2340, 0.3394, 0.1644

Inverse Universe

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



17.5687, 0.3316, 0.2131



26.6996, 0.3365, 0.1941



34.1716, 0.2681, 0.3956



8.1333, 0.3153, 0.3090



8.2640, 0.3489, 0.1696



0.2340, 0.3394, 0.1644

Previews

White Background



This preview shows how the Yxy color 17.5679, 0.3316, 0.2131 looks on a white background.

Color Contrast Check

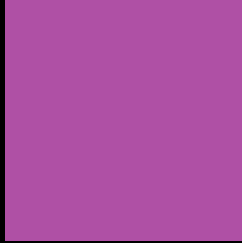
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5679, 0.3316, 0.2131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

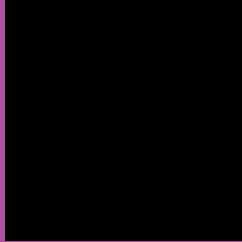
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5679, 0.3316, 0.2131

Background



This preview shows how black text looks on a background with the Yxy color 17.5679, 0.3316, 0.2131.



This preview shows how white text looks on a background with the Yxy color 17.5679, 0.3316, 0.2131.

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

17.5679, 0.3316, 0.2131

Protanopia

17.8145, 0.2141, 0.1965

Deuteranopia

17.7077, 0.2546, 0.2492



Tritanopia

17.4686, 0.4127, 0.3184

Trichromacy



Original Color

17.5679, 0.3316, 0.2131

Protanomaly

16.7035, 0.2449, 0.1982

Deuteranomaly

16.8218, 0.2789, 0.2301

Tritanomaly

17.4509, 0.3828, 0.2766

Monochromacy



Original Color

17.5679, 0.3316, 0.2131

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.1389, 0.3206, 0.2752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5679, 0.3316, 0.2131 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(175, 80, 165)` looks like.

```
.text, #text, p{  
    color:rgb(175, 80, 165)  
}
```

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(175, 80, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 80, 165) }
```

Border

The CSS property to change the border of an element to Yxy 17.5679, 0.3316, 0.2131 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(175, 80, 165) }
```

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

```
.border{ border-color:rgb(175, 80, 165) }
```

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

Here you see how a box with a 4 pixel rgb(175, 80, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 80, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 80, 165);  
box-shadow:4px 4px 4px 4px rgb(175, 80,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5679, 0.3316, 0.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 80, 165) }
```

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

```
.background{ background-color: rgb(175, 80,  
165) }
```

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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