

Converting Colors

$Y_{xy}(19.4069, 0.3082, 0.2282)$

Have a look what the booklet for
Yxy(19.4069, 0.3082, 0.2282)
contains.

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Color

Yxy(19.5186, 0.3087, 0.2289)

Conversions

Conversions Part 1

Format	Color
Hex	A164A8
RGB	161, 100, 168
RGB Percent	63%, 39%, 66%
CMY	0.3686, 0.6078, 0.3411
CMYK	0.04, 0.40, 0.00, 0.34
HSL	294°, 28%, 53%
HSV	294°, 40%, 66%
XYZ	26.3232, 19.5186, 39.4294
YIQ	125.9910, 14.5280, 34.0800

Conversions

Conversions Part 2

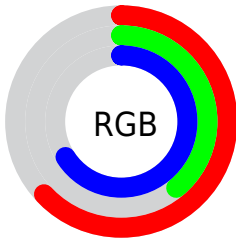
Format	Color
R _Y B	161, 100, 168
Decimal	10577064
CIE Lab	51.29, 35.88, -26.54
CIE LCh	51, 44.628, 323.508
Yxy	19.5186, 0.3087, 0.2289
Android (android.graphics.Color)	4288767144 (0xFFA164A8)
YUV	125.9910, 20.7104, 30.7029
Hunter-Lab	44.1799, 29.0391, -21.9890

Details

The Yxy color **19.5186, 0.3087, 0.2289** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.0549, 0.3129, 0.4484**, and the grayscale version is **20.7861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5359, 0.3110, 0.2489**, and **6.8168, 0.3039, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **16.4434, 0.3070, 0.2058**, and if you desaturate by 10%, it is **23.2626, 0.3101, 0.2535**.

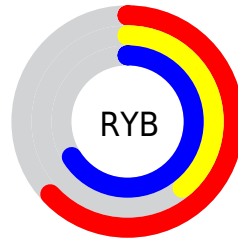
Distribution



Red (63%)

Green (39%)

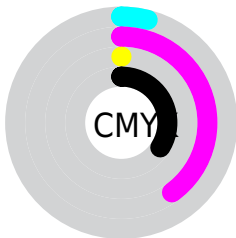
Blue (66%)



Red (63%)

Yellow (39%)

Blue (66%)

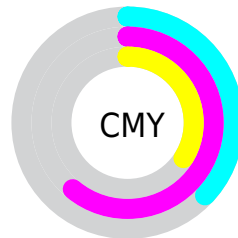


Cyan (4%)

Magenta (40%)

Yellow (0%)

Black (34%)



Cyan (37%)


Magenta (61%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5186, 0.3087, 0.2289 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 19.5186, 0.3087, 0.2289 by changing the saturation by 10% instead.


 19.5186, 0.3087,
0.2289

 19.5186, 0.3087,
0.2289


249.2970, 0.3125,
0.2817


 12.0456, 0.3070,
0.2150


 42.6086, 0.3106,
0.2487


 6.7747, 0.3042,
0.1968


 58.9944, 0.3112,
0.2559

 3.3216, 0.2994,
0.1721

 79.1199, 0.3116,
0.2620

 1.3019, 0.2902,
0.1374

 103.3695, 0.3119,
0.2671

 0.1426, 0.2841,
0.0396

132.1276, 0.3121,
0.2715

 0.0000, 0.0000,
0.0000

165.7786, 0.3123,

0.2754

204.7070, 0.3124,
0.2787

■ 19.5186, 0.3087,
0.2289

■ 19.5186, 0.3087,
0.2289

■ 16.4434, 0.3070,
0.2058

■ 23.2626, 0.3101,
0.2535

■ 13.9932, 0.3050,
0.1851

■ 27.7105, 0.3112,
0.2787

■ 12.1231, 0.3027,
0.1679

■ 32.8979, 0.3121,
0.3037

■ 10.7813, 0.3003,
0.1546

■ 38.8573, 0.3127,
0.3279

■ 9.9064, 0.2977,
0.1455

■ 45.6194, 0.3131,
0.3508

■ 9.3774, 0.2953,
0.1400

■ 53.2130, 0.3133,
0.3722

■ 61.6657, 0.3134,
0.3920

■ 71.0035, 0.3133,
0.4101

■ 81.2517, 0.3132,
0.4265

Harmonies

Analogous

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



19.5186, 0.2352, 0.2070



19.5186, 0.3087, 0.2289



19.5186, 0.3943, 0.2707

Triad

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



19.5186, 0.3087, 0.2289



19.5186, 0.4434, 0.4429



19.5186, 0.1840, 0.3055

Complementary

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



19.5186, 0.3087, 0.2289



32.0549, 0.3129, 0.4484

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.



19.5186, 0.2283, 0.3952



19.5186, 0.3087, 0.2289



19.5186, 0.3777, 0.4805

Square

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



19.5186, 0.3087, 0.2289



19.5186, 0.4763, 0.3854



19.5186, 0.2990, 0.4675



19.5186, 0.1715, 0.2406

Rectangle

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



19.5186, 0.3087, 0.2289



19.5186, 0.4423, 0.3063



19.5186, 0.2990, 0.4675



19.5186, 0.1952, 0.3340

Sweetspot

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



19.5194, 0.3087, 0.2289



57.9518, 0.3120, 0.2994



16.2489, 0.2416, 0.2220



12.3693, 0.3119, 0.2963



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.



19.5194, 0.3087, 0.2289



30.1266, 0.3071, 0.2071



19.3919, 0.3508, 0.2659



7.6268, 0.3122, 0.3066



7.0936, 0.2955, 0.1402



0.1834, 0.3045, 0.1451

Inverse Universe

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



18.5025, 0.4020, 0.3184



28.0884, 0.4351, 0.3162



32.2259, 0.2878, 0.4027



7.5544, 0.3270, 0.3267



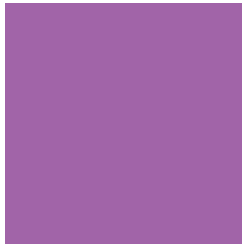
6.3218, 0.6254, 0.3219



0.1576, 0.5704, 0.2916

Previews

White Background



This preview shows how the Yxy color 19.5186, 0.3087, 0.2289 looks on a white background.

Color Contrast Check

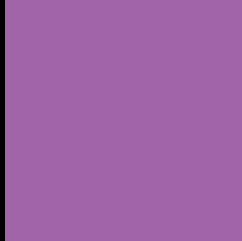
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.5186, 0.3087, 0.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

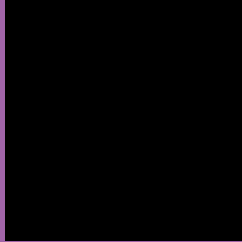
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5186, 0.3087, 0.2289

Background



This preview shows how black text looks on a background with the Yxy color 19.5186, 0.3087, 0.2289.



This preview shows how white text looks on a background with the Yxy color 19.5186, 0.3087, 0.2289.

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

19.5186, 0.3087, 0.2289

Protanopia

19.6030, 0.2336, 0.2221

Deuteranopia

19.7346, 0.2586, 0.2540



Tritanopia

19.5708, 0.3605, 0.3158

Trichromacy



Original Color

19.5186, 0.3087, 0.2289

Protanomaly

19.1622, 0.2561, 0.2234

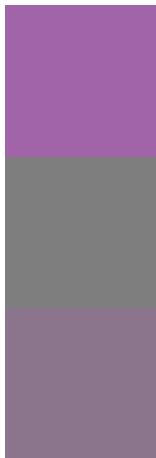
Deuteranomaly

19.1940, 0.2750, 0.2427

Tritanomaly

19.4896, 0.3414, 0.2810

Monochromacy



Original Color

19.5186, 0.3087, 0.2289

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.1346, 0.3122, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5186, 0.3087, 0.2289 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, 100, 168)` looks like.

```
.text, #text, p{  
    color:rgb(161, 100, 168)  
}
```

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, 100, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 100, 168) }
```

Border

The CSS property to change the border of an element to Yxy 19.5186, 0.3087, 0.2289 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, 100, 168) }
```

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

```
.border{ border-color:rgb(161, 100, 168) }
```

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

Here you see how a box with a 4 pixel rgb(161, 100, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 100, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 100, 168);  
box-shadow:4px 4px 4px 4px rgb(161, 100,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5186, 0.3087, 0.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 100, 168) }
```

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

```
.background{ background-color: rgb(161,  
100, 168) }
```

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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