

Converting Colors

$Y_{xy}(19.7636, 0.3209, 0.2271)$

Have a look what the booklet for
Yxy(19.7636, 0.3209, 0.2271)
contains.

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Color

Yxy(19.8508, 0.3213, 0.2274)

Conversions

Conversions Part 1

Format	Color
Hex	AB60A8
RGB	171, 96, 168
RGB Percent	67%, 38%, 66%
CMY	0.3293, 0.6236, 0.3412
CMYK	0.00, 0.44, 0.02, 0.33
HSL	302°, 31%, 52%
HSV	302°, 44%, 67%
XYZ	28.0478, 19.8508, 39.3961
YIQ	126.6330, 21.5880, 38.2920

Conversions

Conversions Part 2

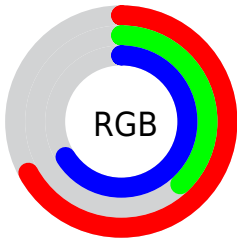
Format	Color
R_{YB}	171, 96, 168
Decimal	11231400
CIE _{Lab}	51.67, 41.21, -25.85
CIE _{LCh}	52, 48.643, 327.904
Yxy	19.8508, 0.3213, 0.2274
Android (android.graphics.Color)	4289421480 (0xFFAB60A8)
YUV	126.6330, 20.3939, 38.9099
Hunter-Lab	44.5542, 34.3993, -21.2379

Details

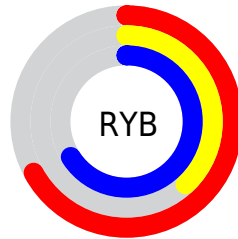
The Yxy color **19.8508, 0.3213, 0.2274** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.5207, 0.3044, 0.4573**, and the grayscale version is **21.0148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3166, 0.3211, 0.2481**, and **6.9196, 0.3210, 0.1944** is the 20% darker color. If you saturate the color by 10%, you get **17.0378, 0.3234, 0.2072**, and if you desaturate by 10%, it is **23.3445, 0.3192, 0.2497**.

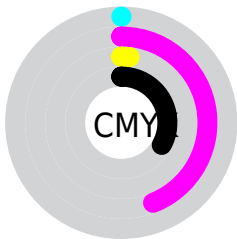
Distribution



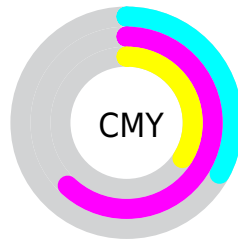
- Red (67%)
- Green (38%)
- Blue (66%)



- Red (67%)
- Yellow (38%)
- Blue (66%)



- Cyan (0%)
- Magenta (44%)
- Yellow (2%)
- Black (33%)





- Cyan (33%)
- Magenta (62%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8508, 0.3213, 0.2274 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 19.8508, 0.3213, 0.2274 by changing the saturation by 10% instead.


 19.8508, 0.3213,
0.2274


 19.8508, 0.3213,
0.2274


251.1063, 0.3182,
0.2806


 12.2866, 0.3215,
0.2135


 43.1669, 0.3205,
0.2472


 6.9392, 0.3214,
0.1954


 59.6876, 0.3201,
0.2545

 3.4241, 0.3203,
0.1710


 79.9627, 0.3198,
0.2606

 1.3570, 0.3169,
0.1369

 104.3764, 0.3194,
0.2658

 0.1847, 0.3198,
0.0480

133.3132, 0.3191,
0.2703

 0.0000, 0.1387,
0.0000

167.1576, 0.3188,

 0.0000, 0.0000,

0.2742

0.0000

206.2938, 0.3185,
0.2776

■ 19.8508, 0.3213,
0.2274

■ 19.8508, 0.3213,
0.2274

■ 17.0378, 0.3234,
0.2072

■ 23.3445, 0.3192,
0.2497

■ 14.8584, 0.3254,
0.1900

■ 27.5567, 0.3171,
0.2731

■ 13.2636, 0.3273,
0.1764

■ 32.5256, 0.3152,
0.2968

■ 12.1963, 0.3289,
0.1670

■ 38.2859, 0.3134,
0.3202

■ 11.5879, 0.3304,
0.1618

■ 44.8702, 0.3117,
0.3427

■ 11.3449, 0.3312,
0.1598

■ 52.3092, 0.3102,
0.3639

■ 60.6322, 0.3089,
0.3837

■ 69.8669, 0.3077,
0.4020

■ 80.0399, 0.3066,
0.4187

Harmonies

Analogous

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



19.8508, 0.2391, 0.2008



19.8508, 0.3213, 0.2274



19.8508, 0.4137, 0.2741

Triad

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



19.8508, 0.3213, 0.2274



19.8508, 0.4432, 0.4579



19.8508, 0.1709, 0.2900

Complementary

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



19.8508, 0.3213, 0.2274



32.5207, 0.3044, 0.4573

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.



19.8508, 0.2124, 0.3861



19.8508, 0.3213, 0.2274



19.8508, 0.3689, 0.4953

Square

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



19.8508, 0.3213, 0.2274



19.8508, 0.4864, 0.3967



19.8508, 0.2845, 0.4727



19.8508, 0.1629, 0.2264

Rectangle

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



19.8508, 0.3213, 0.2274



19.8508, 0.4620, 0.3125



19.8508, 0.2845, 0.4727



19.8508, 0.1809, 0.3195

Sweetspot

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



19.8517, 0.3213, 0.2274



58.8539, 0.3151, 0.2983



13.9300, 0.2345, 0.1965



12.6657, 0.3155, 0.2932



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



19.8517, 0.3213, 0.2274



30.4764, 0.3234, 0.2071



18.6636, 0.3715, 0.2765



8.1424, 0.3143, 0.3075



8.5522, 0.3311, 0.1598



0.2396, 0.3278, 0.1579

Inverse Universe

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



19.8517, 0.3213, 0.2274



30.4764, 0.3234, 0.2071



33.3973, 0.2781, 0.3896



8.1424, 0.3143, 0.3075



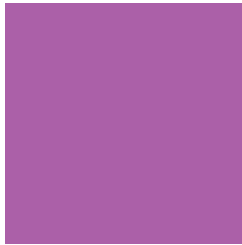
8.5522, 0.3311, 0.1598



0.2396, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 19.8508, 0.3213, 0.2274 looks on a white background.

Color Contrast Check

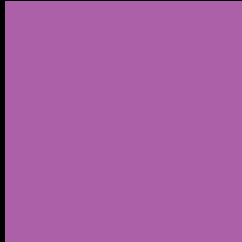
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8508, 0.3213, 0.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

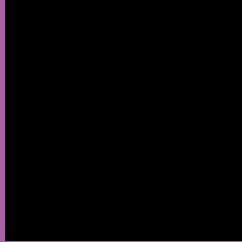
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8508, 0.3213, 0.2274

Background



This preview shows how black text looks on a background with the Yxy color 19.8508, 0.3213, 0.2274.



This preview shows how white text looks on a background with the Yxy color 19.8508, 0.3213, 0.2274.

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

19.8508, 0.3213, 0.2274

Protanopia

20.0149, 0.2313, 0.2187

Deuteranopia

20.1408, 0.2626, 0.2579



Tritanopia

19.8786, 0.3793, 0.3165

Trichromacy



Original Color

19.8508, 0.3213, 0.2274



Protanomaly

19.3602, 0.2574, 0.2191



Deuteranomaly

19.6778, 0.2816, 0.2442



Tritanomaly

19.8654, 0.3580, 0.2816

Monochromacy



Original Color

19.8508, 0.3213, 0.2274



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.2834, 0.3160, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8508, 0.3213, 0.2274 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(171, 96, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 96, 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(171, 96, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 96, 168) }
```

Border

The CSS property to change the border of an element to Yxy 19.8508, 0.3213, 0.2274 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(171, 96, 168) }
```

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

```
.border{ border-color:rgb(171, 96, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 96, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 96, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 96, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 96,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8508, 0.3213, 0.2274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 96, 168) }
```

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

```
.background{ background-color: rgb(171, 96,  
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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