

Converting Colors

$Y_{xy}(21.9799, 0.3196, 0.2388)$

Have a look what the booklet for
Yxy(21.9799, 0.3196, 0.2388)
contains.

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Color

Yxy(21.9810, 0.3194, 0.2386)

Conversions

Conversions Part 1

Format	Color
Hex	AC6AAA
RGB	172, 106, 170
RGB Percent	67%, 42%, 67%
CMY	0.3254, 0.5843, 0.3334
CMYK	0.00, 0.38, 0.01, 0.33
HSL	302°, 28%, 55%
HSV	302°, 38%, 67%
XYZ	29.4247, 21.9810, 40.7192
YIQ	133.0300, 18.7920, 33.8960

Conversions

Conversions Part 2

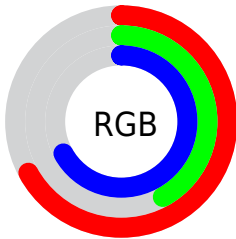
Format	Color
R _{YB}	172, 106, 170
Decimal	11299498
CIE _{Lab}	54.01, 36.49, -23.39
CIE _{LCh}	54, 43.343, 327.337
Yxy	21.9810, 0.3194, 0.2386
Android (android.graphics.Color)	4289489578 (0xFFAC6AAA)
YUV	133.0300, 18.2262, 34.1767
Hunter-Lab	46.8839, 29.9811, -18.6753

Details

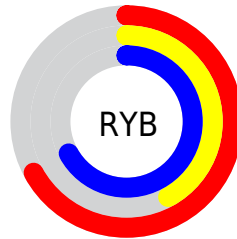
The Yxy color **21.9810, 0.3194, 0.2386** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.6576, 0.3059, 0.4399**, and the grayscale version is **23.3948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7265, 0.3188, 0.2569**, and **7.9879, 0.3183, 0.2092** is the 20% darker color. If you saturate the color by 10%, you get **18.7654, 0.3212, 0.2170**, and if you desaturate by 10%, it is **25.9097, 0.3176, 0.2618**.

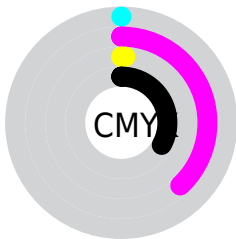
Distribution



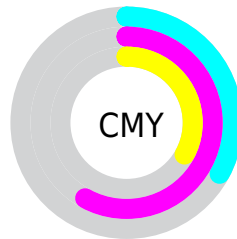
- Red (67%)
- Green (42%)
- Blue (67%)



- Red (67%)
- Yellow (42%)
- Blue (67%)



- Cyan (0%)
- Magenta (38%)
- Yellow (1%)
- Black (33%)





- Cyan (33%)
- Magenta (58%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9810, 0.3194, 0.2386 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 21.9810, 0.3194, 0.2386 by changing the saturation by 10% instead.


 21.9810, 0.3194,
0.2386


 21.9810, 0.3194,
0.2386


262.4470, 0.3170,
0.2858


 13.8429, 0.3196,
0.2263


 46.7146, 0.3188,
0.2562


 8.0115, 0.3194,
0.2102


 64.0789, 0.3185,
0.2626

 4.1023, 0.3187,
0.1885


 85.2874, 0.3182,
0.2681

 1.7310, 0.3161,
0.1578

 110.7246, 0.3180,
0.2727

 0.4436, 0.3131,
0.0988

140.7747, 0.3177,
0.2766

 0.0000, 0.2217,
0.0000

175.8222, 0.3175,

 0.0000, 0.0000,

0.2801

0.0000

216.2515, 0.3172,
0.2831

■ 21.9810, 0.3194,
0.2386

■ 21.9810, 0.3194,
0.2386

■ 18.7654, 0.3212,
0.2170

■ 25.9097, 0.3176,
0.2618

■ 16.2172, 0.3230,
0.1980

■ 30.5878, 0.3158,
0.2857

■ 14.2901, 0.3247,
0.1822


■ 36.0527, 0.3141,
0.3095

■ 12.9304, 0.3262,
0.1705


■ 42.3382, 0.3125,
0.3327


■ 12.0757, 0.3274,
0.1629

■ 49.4764, 0.3110,
0.3548

 11.6168, 0.3285,
0.1590

 57.4976, 0.3097,
0.3755

 11.5531, 0.3287,
0.1584

 66.4305, 0.3085,
0.3946

 76.3027, 0.3075,
0.4122

 83.3768, 0.3068,
0.4228

Harmonies

Analogous

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



21.9810, 0.2476, 0.2151



21.9810, 0.3194, 0.2386



21.9810, 0.3986, 0.2805

Triad

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



21.9810, 0.3194, 0.2386



21.9810, 0.4296, 0.4431



21.9810, 0.1883, 0.2983

Complementary

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



21.9810, 0.3194, 0.2386



33.6576, 0.3059, 0.4399

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.



21.9810, 0.2269, 0.3799



21.9810, 0.3194, 0.2386



21.9810, 0.3656, 0.4721

Square

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



21.9810, 0.3194, 0.2386



21.9810, 0.4647, 0.3908



21.9810, 0.2913, 0.4512



21.9810, 0.1797, 0.2409

Rectangle

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



21.9810, 0.3194, 0.2386



21.9810, 0.4405, 0.3152



21.9810, 0.2913, 0.4512



21.9810, 0.1978, 0.3239

Sweetspot

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



21.9820, 0.3194, 0.2386



61.4173, 0.3147, 0.3004



16.4186, 0.2447, 0.2151



13.0773, 0.3149, 0.2975



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.



21.9820, 0.3194, 0.2386



34.8622, 0.3210, 0.2202



20.9121, 0.3600, 0.2815



8.1438, 0.3142, 0.3073



8.5974, 0.3286, 0.1584



0.2405, 0.3261, 0.1570

Inverse Universe

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



21.9820, 0.3194, 0.2386



34.8622, 0.3210, 0.2202



34.4711, 0.2824, 0.3827



8.1438, 0.3142, 0.3073



8.5974, 0.3286, 0.1584



0.2405, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 21.9810, 0.3194, 0.2386 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 21.9810, 0.3194, 0.2386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

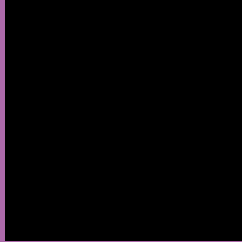
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9810, 0.3194, 0.2386

Background



This preview shows how black text looks on a background with the Yxy color 21.9810, 0.3194, 0.2386.



This preview shows how white text looks on a background with the Yxy color 21.9810, 0.3194, 0.2386.

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

21.9810, 0.3194, 0.2386

Protanopia

22.4057, 0.2427, 0.2340

Deuteranopia

22.1429, 0.2697, 0.2638



Tritanopia

22.0530, 0.3677, 0.3167

Trichromacy



Original Color

21.9810, 0.3194, 0.2386

Protanomaly

21.7557, 0.2656, 0.2337

Deuteranomaly

21.6464, 0.2867, 0.2527

Tritanomaly

21.8363, 0.3493, 0.2851

Monochromacy



Original Color

21.9810, 0.3194, 0.2386

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.4443, 0.3157, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9810, 0.3194, 0.2386 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(172, 106, 170)` looks like.

```
.text, #text, p{  
    color:rgb(172, 106, 170)  
}
```

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(172, 106, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 106, 170) }
```

Border

The CSS property to change the border of an element to Yxy 21.9810, 0.3194, 0.2386 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(172, 106, 170) }
```

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

```
.border{ border-color:rgb(172, 106, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 106, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 106, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 106, 170);  
box-shadow:4px 4px 4px 4px rgb(172, 106,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9810, 0.3194, 0.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 106, 170) }
```

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

```
.background{ background-color: rgb(172,  
106, 170) }
```

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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