

Converting Colors

$Y_{xy}(21.9762, 0.3214, 0.2374)$

Have a look what the booklet for
Yxy(21.9762, 0.3214, 0.2374)
contains.

Yxy(22.0041, 0.3218, 0.2379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.0041, 0.3218, 0.2379)

Conversions

Conversions Part 1

Format	Color
Hex	AE69AA
RGB	174, 105, 170
RGB Percent	68%, 41%, 67%
CMY	0.3177, 0.5882, 0.3332
CMYK	0.00, 0.40, 0.02, 0.32
HSL	303°, 30%, 55%
HSV	303°, 40%, 68%
XYZ	29.7643, 22.0041, 40.7247
YIQ	133.0410, 20.2590, 34.8430

Conversions

Conversions Part 2

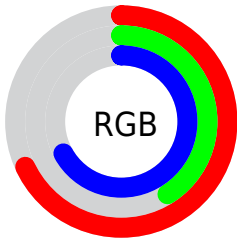
Format	Color
RYB	174, 105, 170
Decimal	11430314
CIELab	54.03, 37.68, -23.36
CIElCh	54, 44.331, 328.207
Yxy	22.0041, 0.3218, 0.2379
Android (android.graphics.Color)	4289620394 (0xFFAE69AA)
YUV	133.0410, 18.2208, 35.9210
Hunter-Lab	46.9085, 31.1714, -18.6380

Details

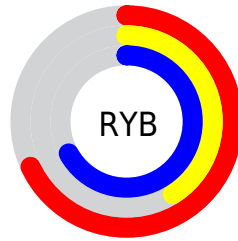
The Yxy color $22.0041, 0.3218, 0.2379$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.3769, 0.3043, 0.4411$, and the grayscale version is $23.3988, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.8789, 0.3214, 0.2564$, and $8.0335, 0.3220, 0.2089$ is the 20% darker color. If you saturate the color by 10%, you get $18.7782, 0.3244, 0.2170$, and if you desaturate by 10%, it is $25.9574, 0.3193, 0.2605$.

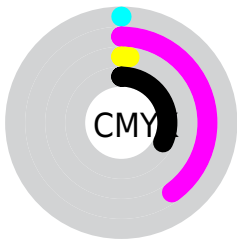
Distribution



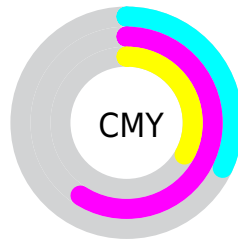
- Red (68%)
- Green (41%)
- Blue (67%)



- Red (68%)
- Yellow (41%)
- Blue (67%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (32%)




- Cyan (32%)
- Magenta (59%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0041, 0.3218, 0.2379 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 22.0041, 0.3218, 0.2379 by changing the saturation by 10% instead.


 22.0041, 0.3218,
0.2379


 22.0041, 0.3218,
0.2379


262.5677, 0.3181,
0.2854


 13.8599, 0.3223,
0.2255


 46.7528, 0.3207,
0.2556

 8.0233, 0.3227,
0.2094


 64.1260, 0.3203,
0.2621

 4.1099, 0.3225,
0.1876


 85.3445, 0.3198,
0.2675

 1.7352, 0.3210,
0.1569

 110.7924, 0.3194,
0.2722

 0.4463, 0.3197,
0.0984

140.8544, 0.3191,
0.2762

 0.0000, 0.2421,
0.0000

175.9146, 0.3187,

 0.0000, 0.0000,

0.2796

0.0000

216.3576, 0.3184,
0.2827

■ 22.0041, 0.3218,
0.2379

■ 22.0041, 0.3218,
0.2379

■ 18.7782, 0.3244,
0.2170

■ 25.9574, 0.3193,
0.2605

■ 16.2322, 0.3270,
0.1986

■ 30.6758, 0.3169,
0.2838

■ 14.3177, 0.3294,
0.1836


■ 36.1981, 0.3147,
0.3071


■ 12.9785, 0.3318,
0.1726


■ 42.5595, 0.3126,
0.3298

■ 12.1488, 0.3338,
0.1658

■ 49.7932, 0.3108,
0.3514

 11.6929, 0.3357,
0.1624

 57.9305, 0.3092,
0.3717

 11.6785, 0.3358,
0.1623

 67.0012, 0.3078,
0.3905

 77.0338, 0.3065,
0.4078

 83.7738, 0.3057,
0.4174

Harmonies

Analogous

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



22.0041, 0.2480, 0.2134



22.0041, 0.3218, 0.2379



22.0041, 0.4026, 0.2809

Triad

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



22.0041, 0.3218, 0.2379



22.0041, 0.4302, 0.4465



22.0041, 0.1852, 0.2953

Complementary

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



22.0041, 0.3218, 0.2379



34.3769, 0.3043, 0.4411

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.



22.0041, 0.2234, 0.3785



22.0041, 0.3218, 0.2379



22.0041, 0.3642, 0.4755

Square

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



22.0041, 0.3218, 0.2379



22.0041, 0.4674, 0.3932



22.0041, 0.2885, 0.4528



22.0041, 0.1775, 0.2378

Rectangle

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



22.0041, 0.3218, 0.2379



22.0041, 0.4448, 0.3163



22.0041, 0.2885, 0.4528



22.0041, 0.1945, 0.3212

Sweetspot

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



22.0051, 0.3218, 0.2379



62.9572, 0.3152, 0.3012



16.3758, 0.2442, 0.2113



13.7030, 0.3155, 0.2982



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.



22.0051, 0.3218, 0.2379



34.4871, 0.3242, 0.2186



20.8805, 0.3654, 0.2831



8.1400, 0.3146, 0.3079



8.4741, 0.3356, 0.1622



0.2381, 0.3307, 0.1596

Inverse Universe

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



22.0051, 0.3218, 0.2379



34.4871, 0.3242, 0.2186



35.2551, 0.2799, 0.3808



8.1400, 0.3146, 0.3079



8.4741, 0.3356, 0.1622



0.2381, 0.3307, 0.1596

Previews

White Background



This preview shows how the Yxy color 22.0041, 0.3218, 0.2379 looks on a white background.

Color Contrast Check

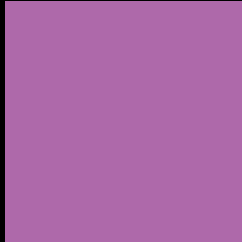
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0041, 0.3218, 0.2379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

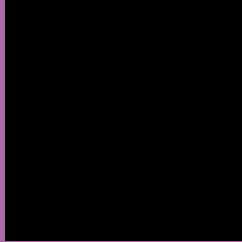
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0041, 0.3218, 0.2379

Background



This preview shows how black text looks on a background with the Yxy color 22.0041, 0.3218, 0.2379.



This preview shows how white text looks on a background with the Yxy color 22.0041, 0.3218, 0.2379.

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

22.0041, 0.3218, 0.2379

Protanopia

22.3412, 0.2419, 0.2338

Deuteranopia

22.1429, 0.2697, 0.2638



Tritanopia

22.0415, 0.3707, 0.3153

Trichromacy



Original Color

22.0041, 0.3218, 0.2379

Protanomaly

21.7557, 0.2656, 0.2337

Deuteranomaly

21.7345, 0.2878, 0.2530

Tritanomaly

21.8380, 0.3520, 0.2840

Monochromacy



Original Color

22.0041, 0.3218, 0.2379

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.5371, 0.3168, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0041, 0.3218, 0.2379 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(174, 105, 170)` looks like.

```
.text, #text, p{  
    color:rgb(174, 105, 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(174, 105, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 105, 170) }
```

Border

The CSS property to change the border of an element to Yxy 22.0041, 0.3218, 0.2379 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(174, 105, 170) }
```

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

```
.border{ border-color:rgb(174, 105, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 105, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 105, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 105, 170);  
box-shadow:4px 4px 4px 4px rgb(174, 105,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0041, 0.3218, 0.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 105, 170) }
```

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

```
.background{ background-color: rgb(174,  
105, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor