

Converting Colors

$Y_{xy}(21.3357, 0.3208, 0.2358)$

Have a look what the booklet for
Yxy(21.3357, 0.3208, 0.2358)
contains.

Yxy(21.3357, 0.3208, 0.2358)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3357, 0.3208, 0.2358)

Conversions

Conversions Part 1

Format	Color
Hex	AC67A9
RGB	172, 103, 169
RGB Percent	67%, 40%, 66%
CMY	0.3254, 0.5961, 0.3373
CMYK	0.00, 0.40, 0.02, 0.33
HSL	303°, 29%, 54%
HSV	303°, 40%, 67%
XYZ	29.0267, 21.3357, 40.1198
YIQ	131.1550, 19.9380, 35.1540

Conversions

Conversions Part 2

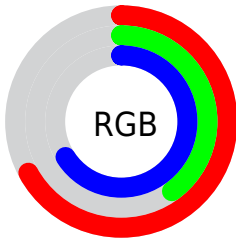
Format	Color
R _Y B	172, 103, 169
Decimal	11298729
CIE Lab	53.31, 37.94, -23.87
CIE LCh	53, 44.826, 327.819
Yxy	21.3357, 0.3208, 0.2358
Android (android.graphics.Color)	4289488809 (0xFFAC67A9)
YUV	131.1550, 18.6576, 35.8211
Hunter-Lab	46.1906, 31.3379, -19.1642

Details

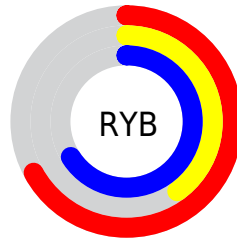
The Yxy color **21.3357, 0.3208, 0.2358** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.4357, 0.3049, 0.4442**, and the grayscale version is **22.6824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8168, 0.3207, 0.2548**, and **7.6821, 0.3203, 0.2058** is the 20% darker color. If you saturate the color by 10%, you get **18.2315, 0.3230, 0.2148**, and if you desaturate by 10%, it is **25.1459, 0.3186, 0.2585**.

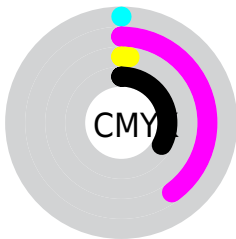
Distribution



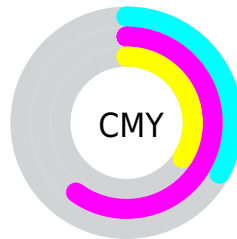
- Red (67%)
- Green (40%)
- Blue (66%)



- Red (67%)
- Yellow (40%)
- Blue (66%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3357, 0.3208, 0.2358 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 21.3357, 0.3208, 0.2358 by changing the saturation by 10% instead.


 21.3357, 0.3208,
0.2358


 21.3357, 0.3208,
0.2358


259.0572, 0.3177,
0.2845


 13.3696, 0.3211,
0.2231


 45.6456, 0.3200,
0.2539


 7.6836, 0.3212,
0.2065


 62.7581, 0.3196,
0.2606

 3.8931, 0.3206,
0.1840


 83.6883, 0.3192,
0.2662

 1.6140, 0.3183,
0.1523

 108.8205, 0.3189,
0.2710

 0.3670, 0.3174,
0.0861

138.5391, 0.3185,
0.2751

 0.0000, 0.2051,
0.0000

173.2285, 0.3183,

 0.0000, 0.0000,

0.2786

0.0000

213.2730, 0.3180,
0.2817

■ 21.3357, 0.3208,
0.2358

■ 21.3357, 0.3208,
0.2358

■ 18.2315, 0.3230,
0.2148

■ 25.1459, 0.3186,
0.2585

■ 15.7869, 0.3252,
0.1964

■ 29.6991, 0.3165,
0.2821

■ 13.9546, 0.3272,
0.1814

■ 35.0328, 0.3146,
0.3057

■ 12.6797, 0.3291,
0.1705

■ 41.1817, 0.3127,
0.3287

■ 11.8977, 0.3307,
0.1637

■ 48.1778, 0.3111,
0.3507

■ 11.4701, 0.3321,
0.1603

■ 56.0519, 0.3096,
0.3714

■ 64.8329, 0.3083,
0.3905

■ 74.5485, 0.3071,
0.4082

■ 83.4182, 0.3062,
0.4216

Harmonies

Analogous

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



21.3357, 0.2459, 0.2111



21.3357, 0.3208, 0.2358



21.3357, 0.4035, 0.2792

Triad

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



21.3357, 0.3208, 0.2358



21.3357, 0.4330, 0.4478



21.3357, 0.1831, 0.2953

Complementary

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



21.3357, 0.3208, 0.2358



33.4357, 0.3049, 0.4442

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.



21.3357, 0.2223, 0.3807



21.3357, 0.3208, 0.2358



21.3357, 0.3659, 0.4786

Square

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



21.3357, 0.3208, 0.2358



21.3357, 0.4707, 0.3932



21.3357, 0.2887, 0.4565



21.3357, 0.1750, 0.2364

Rectangle

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



21.3357, 0.3208, 0.2358



21.3357, 0.4470, 0.3151



21.3357, 0.2887, 0.4565



21.3357, 0.1927, 0.3219

Sweetspot

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



21.3367, 0.3208, 0.2358



61.3981, 0.3150, 0.3008



15.7004, 0.2422, 0.2094



13.0727, 0.3152, 0.2979



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.



21.3367, 0.3208, 0.2358



33.7116, 0.3227, 0.2173



20.2275, 0.3646, 0.2809



8.1419, 0.3144, 0.3076



8.5360, 0.3320, 0.1603



0.2393, 0.3284, 0.1583

Inverse Universe

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



21.3367, 0.3208, 0.2358



33.7116, 0.3227, 0.2173



34.2824, 0.2805, 0.3835



8.1419, 0.3144, 0.3076



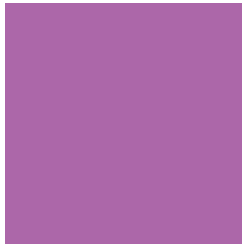
8.5360, 0.3320, 0.1603



0.2393, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 21.3357, 0.3208, 0.2358 looks on a white background.

Color Contrast Check

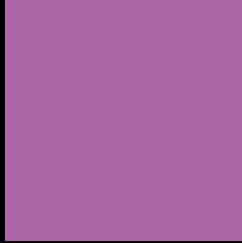
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3357, 0.3208, 0.2358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

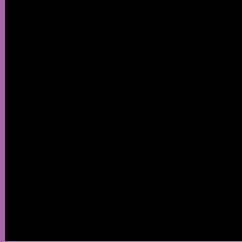
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3357, 0.3208, 0.2358

Background



This preview shows how black text looks on a background with the Yxy color 21.3357, 0.3208, 0.2358.



This preview shows how white text looks on a background with the Yxy color 21.3357, 0.3208, 0.2358.

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

21.3357, 0.3208, 0.2358

Protanopia

21.6977, 0.2398, 0.2300

Deuteranopia

21.3769, 0.2673, 0.2613



Tritanopia

21.3224, 0.3716, 0.3151

Trichromacy



Original Color

21.3357, 0.3208, 0.2358

Protanomaly

21.0774, 0.2642, 0.2313

Deuteranomaly

20.9647, 0.2854, 0.2504

Tritanomaly

21.1262, 0.3526, 0.2835

Monochromacy



Original Color

21.3357, 0.3208, 0.2358

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.8301, 0.3158, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3357, 0.3208, 0.2358 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, 103, 169)` looks like.

```
.text, #text, p{  
    color:rgb(172, 103, 169)  
}
```

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, 103, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 103, 169) }
```

Border

The CSS property to change the border of an element to Yxy 21.3357, 0.3208, 0.2358 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, 103, 169) }
```

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

```
.border{ border-color:rgb(172, 103, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 103, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 103, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 103, 169); box-shadow:4px 4px 4px 4px rgb(172, 103, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3357, 0.3208, 0.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 103, 169) }
```

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

```
.background{ background-color: rgb(172,  
103, 169) }
```

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