

Converting Colors

$Y_{xy}(21.0739, 0.3157, 0.2325)$

Have a look what the booklet for
Yxy(21.0739, 0.3157, 0.2325)
contains.

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Color

Yxy(21.0758, 0.3148, 0.2323)

Conversions

Conversions Part 1

Format	Color
Hex	A967AB
RGB	169, 103, 171
RGB Percent	66%, 40%, 67%
CMY	0.3373, 0.5960, 0.3294
CMYK	0.01, 0.40, 0.00, 0.33
HSL	298°, 29%, 54%
HSV	298°, 40%, 67%
XYZ	28.5607, 21.0758, 41.0901
YIQ	130.4860, 17.5080, 35.1400

Conversions

Conversions Part 2

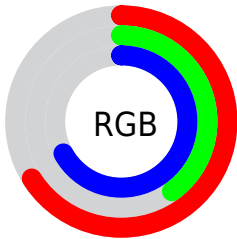
Format	Color
R _Y B	169, 103, 171
Decimal	11102123
CIE Lab	53.03, 37.35, -25.51
CIE LCh	53, 45.226, 325.666
Yxy	21.0758, 0.3148, 0.2323
Android (android.graphics.Color)	4289292203 (0xFFA967AB)
YUV	130.4860, 19.9734, 33.7768
Hunter-Lab	45.9084, 30.7096, -20.9314

Details

The Yxy color $21.0758, 0.3148, 0.2323$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $33.1098, 0.3088, 0.4476$, and the grayscale version is $22.4283, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.3305, 0.3146, 0.2510$, and $7.5230, 0.3114, 0.2007$ is the 20% darker color. If you saturate the color by 10%, you get $17.9595, 0.3150, 0.2102$, and if you desaturate by 10%, it is $24.8898, 0.3144, 0.2562$.

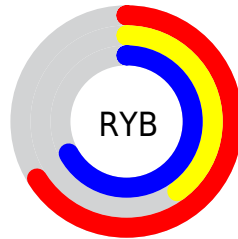
Distribution



Red (66%)

Green (40%)

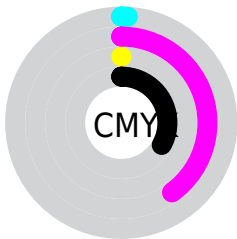
Blue (67%)



Red (66%)

Yellow (40%)

Blue (67%)

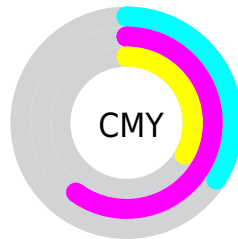


Cyan (1%)

Magenta (40%)

Yellow (0%)

Black (33%)



Cyan (34%)

Magenta (60%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0758, 0.3148, 0.2323 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 21.0758, 0.3148, 0.2323 by changing the saturation by 10% instead.


 21.0758, 0.3148,
0.2323


 21.0758, 0.3148,
0.2323


257.6811, 0.3151,
0.2828


 13.1794, 0.3141,
0.2191


 45.2137, 0.3153,
0.2511

 7.5522, 0.3128,
0.2020


 62.2239, 0.3154,
0.2580

 3.8098, 0.3103,
0.1789


 83.0409, 0.3154,
0.2638

 1.5677, 0.3048,
0.1465

 108.0491, 0.3154,
0.2688

 0.3357, 0.2988,
0.0775

137.6328, 0.3153,
0.2730

 0.0000, 0.1591,
0.0000

172.1764, 0.3153,

 0.0000, 0.0000,

0.2767

0.0000

212.0644, 0.3152,
0.2799

■ 21.0758, 0.3148,
0.2323

■ 21.0758, 0.3148,
0.2323

■ 17.9595, 0.3150,
0.2102

■ 24.8898, 0.3144,
0.2562

■ 15.4955, 0.3151,
0.1907

■ 29.4379, 0.3139,
0.2808

■ 13.6372, 0.3150,
0.1746


■ 34.7570, 0.3133,
0.3055

■ 12.3310, 0.3147,
0.1626


■ 40.8811, 0.3127,
0.3296

■ 11.5136, 0.3142,
0.1547

■ 47.8419, 0.3120,
0.3525

 11.0508, 0.3136,
0.1502

 55.6695, 0.3114,
0.3740

 11.0405, 0.3136,
0.1501

 64.3923, 0.3107,
0.3939

 74.0378, 0.3101,
0.4122

 83.4064, 0.3096,
0.4270

Harmonies

Analogous

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



21.0758, 0.2405, 0.2090



21.0758, 0.3148, 0.2323



21.0758, 0.3991, 0.2750

Triad

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



21.0758, 0.3148, 0.2323



21.0758, 0.4382, 0.4455



21.0758, 0.1834, 0.3002

Complementary

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



21.0758, 0.3148, 0.2323



33.1098, 0.3088, 0.4476

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.



21.0758, 0.2252, 0.3879



21.0758, 0.3148, 0.2323



21.0758, 0.3717, 0.4798

Square

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



21.0758, 0.3148, 0.2323



21.0758, 0.4736, 0.3894



21.0758, 0.2938, 0.4622



21.0758, 0.1731, 0.2384

Rectangle

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



21.0758, 0.3148, 0.2323



21.0758, 0.4448, 0.3107



21.0758, 0.2938, 0.4622



21.0758, 0.1938, 0.3278

Sweetspot

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



21.0767, 0.3148, 0.2323



59.7802, 0.3135, 0.2995



15.9845, 0.2414, 0.2141



13.0575, 0.3136, 0.2964



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.



21.0767, 0.3148, 0.2323



32.6234, 0.3150, 0.2121



20.2328, 0.3577, 0.2749



8.1358, 0.3133, 0.3066



8.3272, 0.3137, 0.1502



0.2353, 0.3160, 0.1514

Inverse Universe

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



19.3812, 0.4073, 0.3262



29.1704, 0.4416, 0.3257



33.7517, 0.2840, 0.3910



8.0190, 0.3282, 0.3284



6.5366, 0.6361, 0.3278



0.1831, 0.6189, 0.3183

Previews

White Background



This preview shows how the Yxy color 21.0758, 0.3148, 0.2323 looks on a white background.

Color Contrast Check

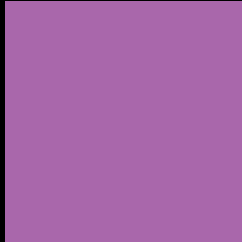
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0758, 0.3148, 0.2323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

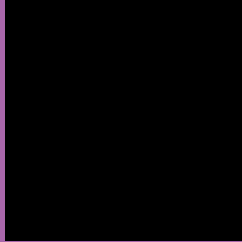
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0758, 0.3148, 0.2323

Background



This preview shows how black text looks on a background with the Yxy color 21.0758, 0.3148, 0.2323.



This preview shows how white text looks on a background with the Yxy color 21.0758, 0.3148, 0.2323.

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

21.0758, 0.3148, 0.2323

Protanopia

21.3622, 0.2372, 0.2267

Deuteranopia

21.3088, 0.2636, 0.2579



Tritanopia

21.0019, 0.3677, 0.3149

Trichromacy



Original Color

21.0758, 0.3148, 0.2323

Protanomaly

20.7671, 0.2604, 0.2266

Deuteranomaly

20.8681, 0.2812, 0.2471

Tritanomaly

20.8301, 0.3474, 0.2814

Monochromacy



Original Color

21.0758, 0.3148, 0.2323

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.4066, 0.3135, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0758, 0.3148, 0.2323 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(169, 103, 171)` looks like.

```
.text, #text, p{  
    color:rgb(169, 103, 171)  
}
```

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(169, 103, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 103, 171) }
```

Border

The CSS property to change the border of an element to Yxy 21.0758, 0.3148, 0.2323 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(169, 103, 171) }
```

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

```
.border{ border-color:rgb(169, 103, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 103, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 103, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 103, 171);  
box-shadow:4px 4px 4px 4px rgb(169, 103,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0758, 0.3148, 0.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 103, 171) }
```

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

```
.background{ background-color: rgb(169,  
103, 171) }
```

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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