

Converting Colors

$Y_{xy}(21.9416, 0.3383, 0.2826)$

Have a look what the booklet for
Yxy(21.9416, 0.3383, 0.2826)
contains.

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Color

Yxy(21.8348, 0.3388, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	A37290
RGB	163, 114, 144
RGB Percent	64%, 45%, 56%
CMY	0.3607, 0.5530, 0.4353
CMYK	0.00, 0.30, 0.12, 0.36
HSL	323°, 21%, 54%
HSV	323°, 30%, 64%
XYZ	26.1585, 21.8348, 29.2160
YIQ	132.0710, 19.5740, 19.7180

Conversions

Conversions Part 2

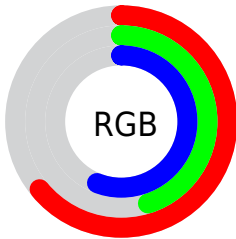
Format	Color
R _Y B	163, 114, 144
Decimal	10711696
CIE Lab	53.85, 24.15, -8.56
CIE LCh	54, 25.624, 340.473
Yxy	21.8348, 0.3388, 0.2828
Android (android.graphics.Color)	4288901776 (0xFFA37290)
YUV	132.0710, 5.8810, 27.1247
Hunter-Lab	46.7277, 18.1521, -4.3610

Details

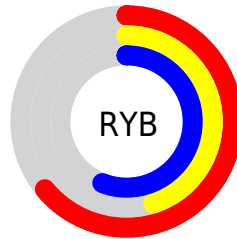
The Yxy color $21.8348, 0.3388, 0.2828$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.4747, 0.2934, 0.3804$, and the grayscale version is $23.0751, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.4097, 0.3335, 0.2918$, and $7.9037, 0.3468, 0.2651$ is the 20% darker color. If you saturate the color by 10%, you get $18.2921, 0.3506, 0.2671$, and if you desaturate by 10%, it is $26.0458, 0.3286, 0.2986$.

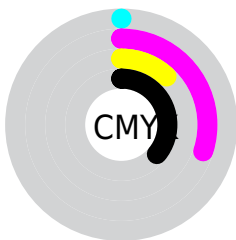
Distribution



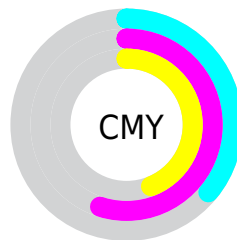
- Red (64%)
- Green (45%)
- Blue (56%)



- Red (64%)
- Yellow (45%)
- Blue (56%)



- Cyan (0%)
- Magenta (30%)
- Yellow (12%)
- Black (36%)





- Cyan (36%)
- Magenta (55%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8348, 0.3388, 0.2828 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 21.8348, 0.3388, 0.2828 by changing the saturation by 10% instead.


 21.8348, 0.3388,
0.2828


 21.8348, 0.3388,
0.2828


261.6823, 0.3245,
0.3079


 13.7356, 0.3428,
0.2758


 46.4728, 0.3333,
0.2925

 7.9370, 0.3483,
0.2662


 63.7804, 0.3313,
0.2959

 4.0546, 0.3562,
0.2526

 84.9262, 0.3297,
0.2988

 1.7042, 0.3686,
0.2315

 110.2946, 0.3283,
0.3012

 0.4264, 0.4022,
0.1707

140.2700, 0.3272,
0.3033

 0.0000, 0.0000,
0.0000

175.2368, 0.3262,

0.3050

215.5795, 0.3253,
0.3066

■ 21.8348, 0.3388,
0.2828

■ 21.8348, 0.3388,
0.2828

■ 18.2921, 0.3506,
0.2671

■ 26.0458, 0.3286,
0.2986

■ 15.3797, 0.3641,
0.2523

■ 30.9546, 0.3200,
0.3141

■ 13.0604, 0.3793,
0.2392


■ 36.5923, 0.3128,
0.3289


■ 11.2917, 0.3957,
0.2290


■ 42.9876, 0.3067,
0.3428


■ 10.0257, 0.4130,
0.2228

■ 50.1673, 0.3016,
0.3557

 9.2059, 0.4305,
0.2214

 58.1570, 0.2974,
0.3676

 8.7040, 0.4478,
0.2240

 66.9813, 0.2939,
0.3786

 76.6636, 0.2910,
0.3887

 83.5242, 0.2882,
0.3920

Harmonies

Analogous

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



21.8348, 0.2920, 0.2615



21.8348, 0.3388, 0.2828



21.8348, 0.3808, 0.3148

Triad

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



21.8348, 0.3388, 0.2828



21.8348, 0.3709, 0.4089



21.8348, 0.2299, 0.2956

Complementary

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



21.8348, 0.3388, 0.2828



31.4747, 0.2934, 0.3804

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.



21.8348, 0.2478, 0.3388



21.8348, 0.3388, 0.2828



21.8348, 0.3281, 0.4094

Square

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



21.8348, 0.3388, 0.2828



21.8348, 0.3991, 0.3861



21.8348, 0.2831, 0.3828



21.8348, 0.2321, 0.2663

Rectangle

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



21.8348, 0.3388, 0.2828



21.8348, 0.3986, 0.3392



21.8348, 0.2831, 0.3828



21.8348, 0.2336, 0.3089

Sweetspot

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



21.8358, 0.3388, 0.2828



56.2809, 0.3193, 0.3155



19.6481, 0.2812, 0.2481



12.3438, 0.3204, 0.3134



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.8358, 0.3388, 0.2828



34.7806, 0.3464, 0.2724



21.1717, 0.3704, 0.3201



7.1553, 0.3194, 0.3153



6.7714, 0.4463, 0.2232



0.1511, 0.3906, 0.1926

Inverse Universe

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



21.8358, 0.3388, 0.2828



34.7806, 0.3464, 0.2724



32.2251, 0.2746, 0.3383



7.1553, 0.3194, 0.3153



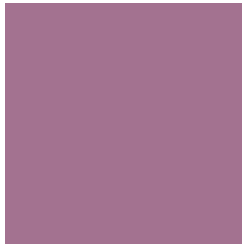
6.7714, 0.4463, 0.2232



0.1511, 0.3906, 0.1926

Previews

White Background



This preview shows how the Yxy color 21.8348, 0.3388, 0.2828 looks on a white background.

Color Contrast Check

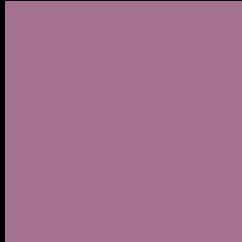
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8348, 0.3388, 0.2828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

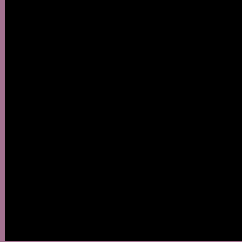
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8348, 0.3388, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 21.8348, 0.3388, 0.2828.



This preview shows how white text looks on a background with the Yxy color 21.8348, 0.3388, 0.2828.

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

21.8348, 0.3388, 0.2828

Protanopia

22.0233, 0.2827, 0.2859

Deuteranopia

21.8545, 0.3070, 0.3000



Tritanopia

21.8060, 0.3584, 0.3148

Trichromacy



Original Color

21.8348, 0.3388, 0.2828

Protanomaly

21.7712, 0.3008, 0.2839

Deuteranomaly

21.7689, 0.3180, 0.2927

Tritanomaly

21.8656, 0.3509, 0.3024

Monochromacy



Original Color

21.8348, 0.3388, 0.2828

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.2844, 0.3220, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8348, 0.3388, 0.2828 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(163, 114, 144)` looks like.

```
.text, #text, p{  
    color:rgb(163, 114, 144)  
}
```

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(163, 114, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 114, 144) }
```

Border

The CSS property to change the border of an element to Yxy 21.8348, 0.3388, 0.2828 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(163, 114, 144) }
```

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

```
.border{ border-color:rgb(163, 114, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 114, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 114, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 114, 144);  
box-shadow:4px 4px 4px 4px rgb(163, 114,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8348, 0.3388, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 114, 144) }
```

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

```
.background{ background-color: rgb(163,  
114, 144) }
```

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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