

Converting Colors

$Y_{xy}(22.1686, 0.3409, 0.2855)$

Have a look what the booklet for
Yxy(22.1686, 0.3409, 0.2855)
contains.

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Color

Yxy(22.1372, 0.3410, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	A4738F
RGB	164, 115, 143
RGB Percent	64%, 45%, 56%
CMY	0.3570, 0.5490, 0.4392
CMYK	0.00, 0.30, 0.13, 0.36
HSL	326°, 21%, 55%
HSV	326°, 30%, 64%
XYZ	26.3944, 22.1372, 28.8712
YIQ	132.8430, 20.2160, 19.0960

Conversions

Conversions Part 2

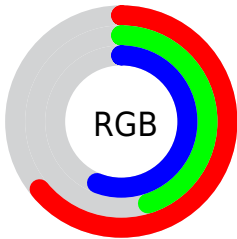
Format	Color
R_{YB}	164, 115, 143
Decimal	10777487
CIE _{Lab}	54.17, 23.74, -7.50
CIE _{LCh}	54, 24.898, 342.464
Yxy	22.1372, 0.3410, 0.2860
Android (android.graphics.Color)	4288967567 (0xFFA4738F)
YUV	132.8430, 5.0074, 27.3247
Hunter-Lab	47.0502, 17.7976, -3.4468

Details

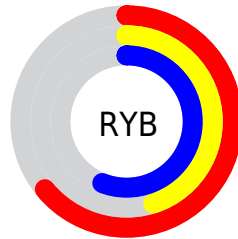
The Yxy color $22.1372, 0.3410, 0.2860$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.9634, 0.2919, 0.3765$, and the grayscale version is $23.3718, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.8843, 0.3352, 0.2942$, and $8.0663, 0.3504, 0.2697$ is the 20% darker color. If you saturate the color by 10%, you get $18.5185, 0.3540, 0.2712$, and if you desaturate by 10%, it is $26.4365, 0.3299, 0.3009$.

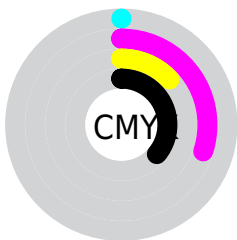
Distribution



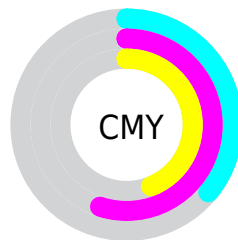
- Red (64%)
- Green (45%)
- Blue (56%)



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



- Cyan (0%)
- Magenta (30%)
- Yellow (13%)
- Black (36%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1372, 0.3410, 0.2860 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 22.1372, 0.3410, 0.2860 by changing the saturation by 10% instead.


 22.1372, 0.3410,
0.2860

 22.1372, 0.3410,
0.2860


263.2619, 0.3255,
0.3094


 13.9577, 0.3454,
0.2794


 46.9727, 0.3350,
0.2950


 8.0913, 0.3514,
0.2705


 64.3974, 0.3328,
0.2982

 4.1534, 0.3602,
0.2577

 85.6728, 0.3311,
0.3009

 1.7597, 0.3740,
0.2379

 111.1831, 0.3296,
0.3032

 0.4619, 0.4089,
0.1832

141.3128, 0.3283,
0.3051

 0.0000, 0.0000,
0.0000

176.4462, 0.3273,

0.3067

216.9678, 0.3263,
0.3081

■ 22.1372, 0.3410,
0.2860

■ 22.1372, 0.3410,
0.2860

■ 18.5185, 0.3540,
0.2712

■ 26.4365, 0.3299,
0.3009

■ 15.5417, 0.3690,
0.2572

■ 31.4461, 0.3205,
0.3154

■ 13.1693, 0.3860,
0.2450

■ 37.1979, 0.3126,
0.3292

■ 11.3581, 0.4045,
0.2355

■ 43.7208, 0.3060,
0.3422

■ 10.0595, 0.4242,
0.2300

■ 51.0420, 0.3006,
0.3542

■ 9.2163, 0.4441,
0.2294

■ 59.1877, 0.2961,
0.3653

■ 8.7001, 0.4638,
0.2330

■ 68.1827, 0.2923,
0.3755

■ 8.6932, 0.4641,
0.2330

■ 78.0507, 0.2892,
0.3848

■ 83.8754, 0.2861,
0.3856

Harmonies

Analogous

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



22.1372, 0.2956, 0.2644



22.1372, 0.3410, 0.2860



22.1372, 0.3807, 0.3176

Triad

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



22.1372, 0.3410, 0.2860



22.1372, 0.3667, 0.4071



22.1372, 0.2319, 0.2944

Complementary

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



22.1372, 0.3410, 0.2860



31.9634, 0.2919, 0.3765

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.



22.1372, 0.2481, 0.3356



22.1372, 0.3410, 0.2860



22.1372, 0.3248, 0.4057

Square

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



22.1372, 0.3410, 0.2860



22.1372, 0.3952, 0.3863



22.1372, 0.2815, 0.3785



22.1372, 0.2354, 0.2670

Rectangle

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



22.1372, 0.3410, 0.2860



22.1372, 0.3969, 0.3414



22.1372, 0.2815, 0.3785



22.1372, 0.2352, 0.3070

Sweetspot

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



22.1382, 0.3410, 0.2860



57.7751, 0.3199, 0.3164



20.1300, 0.2833, 0.2491



12.3344, 0.3211, 0.3144



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.



22.1382, 0.3410, 0.2860



35.5862, 0.3497, 0.2759



21.4890, 0.3720, 0.3227



7.1506, 0.3200, 0.3162



6.6778, 0.4623, 0.2321



0.1495, 0.3991, 0.1972

Inverse Universe

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



22.1382, 0.3410, 0.2860



35.5862, 0.3497, 0.2759



32.7207, 0.2736, 0.3355



7.1506, 0.3200, 0.3162



6.6778, 0.4623, 0.2321



0.1495, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 22.1372, 0.3410, 0.2860 looks on a white background.

Color Contrast Check

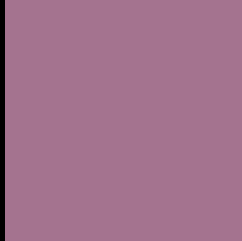
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1372, 0.3410, 0.2860 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 22.1372, 0.3410, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 22.1372, 0.3410, 0.2860.



This preview shows how white text looks on a background with the Yxy color 22.1372, 0.3410, 0.2860.

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

22.1372, 0.3410, 0.2860

Protanopia

22.3275, 0.2848, 0.2894

Deuteranopia

22.1632, 0.3092, 0.3035



Tritanopia

22.1706, 0.3580, 0.3149

Trichromacy



Original Color

22.1372, 0.3410, 0.2860

Protanomaly

22.0742, 0.3030, 0.2873

Deuteranomaly

22.0751, 0.3203, 0.2961

Tritanomaly

22.2026, 0.3519, 0.3040

Monochromacy



Original Color

22.1372, 0.3410, 0.2860

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.6571, 0.3219, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1372, 0.3410, 0.2860 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(164, 115, 143)` looks like.

```
.text, #text, p{  
    color:rgb(164, 115, 143)  
}
```

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(164, 115, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 115, 143) }
```

Border

The CSS property to change the border of an element to Yxy 22.1372, 0.3410, 0.2860 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(164, 115, 143) }
```

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

```
.border{ border-color:rgb(164, 115, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 115, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 115, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 115, 143);  
box-shadow:4px 4px 4px 4px rgb(164, 115,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1372, 0.3410, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 115, 143) }
```

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

```
.background{ background-color: rgb(164,  
115, 143) }
```

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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