

Converting Colors

$Y_{xy}(22.0747, 0.3642, 0.3119)$

Have a look what the booklet for
Yxy(22.0747, 0.3642, 0.3119)
contains.

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Color

Yxy(22.1301, 0.3638, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	A6747F
RGB	166, 116, 127
RGB Percent	65%, 45%, 50%
CMY	0.3490, 0.5451, 0.5019
CMYK	0.00, 0.30, 0.23, 0.35
HSL	347°, 22%, 55%
HSV	347°, 30%, 65%
XYZ	25.8043, 22.1301, 22.9954
YIQ	132.2040, 26.2690, 14.0210

Conversions

Conversions Part 2

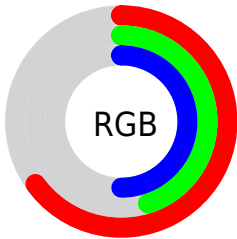
Format	Color
RYB	166, 116, 127
Decimal	10908799
CIELab	54.16, 21.32, 1.87
CIELCh	54, 21.406, 5.013
Yxy	22.1301, 0.3638, 0.3120
Android (android.graphics.Color)	4289098879 (0xFFA6747F)
YUV	132.2040, -2.5656, 29.6391
Hunter-Lab	47.0426, 15.5879, 3.9476

Details

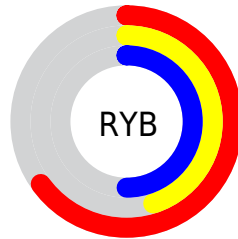
The Yxy color **22.1301, 0.3638, 0.3120** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **33.3550, 0.2783, 0.3469**, and the grayscale version is **23.1551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8301, 0.3523, 0.3150**, and **8.0751, 0.3847, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **18.3237, 0.3888, 0.3062**, and if you desaturate by 10%, it is **26.6658, 0.3432, 0.3179**.

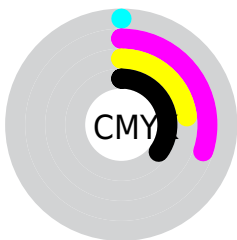
Distribution



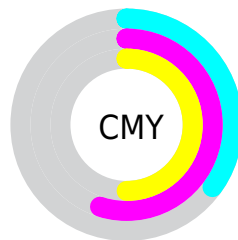
- Red (65%)
- Green (45%)
- Blue (50%)



- Red (65%)
- Yellow (45%)
- Blue (50%)



- Cyan (0%)
- Magenta (30%)
- Yellow (23%)
- Black (35%)





- Cyan (35%)
- Magenta (55%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1301, 0.3638, 0.3120 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 22.1301, 0.3638, 0.3120 by changing the saturation by 10% instead.


 22.1301, 0.3638,
0.3120


 22.1301, 0.3638,
0.3120


263.2249, 0.3350,
0.3217


 13.9525, 0.3723,
0.3090


 46.9609, 0.3524,
0.3159

 8.0877, 0.3842,
0.3049


 64.3830, 0.3484,
0.3172

 4.1511, 0.4020,
0.2985

 85.6553, 0.3452,
0.3183

 1.7584, 0.4314,
0.2878

111.1623, 0.3425,
0.3192

 0.4611, 0.5367,
0.2566

141.2884, 0.3402,
0.3200

 0.0000, 0.0000,
0.0000

176.4179, 0.3382,

0.3207

216.9353, 0.3365,
0.3212

■ 22.1301, 0.3638,
0.3120

■ 22.1301, 0.3638,
0.3120

■ 18.3237, 0.3888,
0.3062

■ 26.6658, 0.3432,
0.3179

■ 15.2055, 0.4188,
0.3009

■ 31.9630, 0.3265,
0.3236

■ 12.7350, 0.4536,
0.2969


■ 38.0558, 0.3129,
0.3289


■ 10.8660, 0.4921,
0.2950


■ 44.9750, 0.3018,
0.3339


■ 9.5465, 0.5320,
0.2962

■ 52.7502, 0.2928,
0.3384


 8.7151, 0.5692,
0.3010

 61.4093, 0.2854,
0.3425

 8.2389, 0.6001,
0.3080

 70.9788, 0.2793,
0.3463

 81.4844, 0.2742,
0.3497

 86.1298, 0.2687,
0.3416

Harmonies

Analogous

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



22.1301, 0.3275, 0.2860



22.1301, 0.3638, 0.3120



22.1301, 0.3861, 0.3430

Triad

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



22.1301, 0.3638, 0.3120



22.1301, 0.3331, 0.3968



22.1301, 0.2431, 0.2802

Complementary

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



22.1301, 0.3638, 0.3120



33.3550, 0.2783, 0.3469

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.



22.1301, 0.2445, 0.3077



22.1301, 0.3638, 0.3120



22.1301, 0.2949, 0.3786

Square

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



22.1301, 0.3638, 0.3120



22.1301, 0.3671, 0.3935



22.1301, 0.2629, 0.3444



22.1301, 0.2589, 0.2674

Rectangle

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



22.1301, 0.3638, 0.3120



22.1301, 0.3892, 0.3634



22.1301, 0.2629, 0.3444



22.1301, 0.2416, 0.2879

Sweetspot

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



22.1311, 0.3638, 0.3120



58.9987, 0.3251, 0.3241



22.1474, 0.3027, 0.2527



12.8760, 0.3272, 0.3233



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



22.1311, 0.3638, 0.3120



35.4950, 0.3796, 0.3082



25.1577, 0.3724, 0.3499



7.5684, 0.3252, 0.3240



6.3941, 0.5980, 0.3068



0.1628, 0.5119, 0.2594

Inverse Universe

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



22.1311, 0.3638, 0.3120



35.4950, 0.3796, 0.3082



29.1420, 0.2678, 0.3070



7.5684, 0.3252, 0.3240



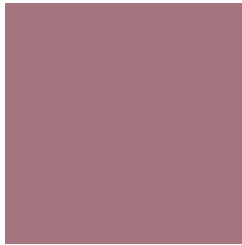
6.3941, 0.5980, 0.3068



0.1628, 0.5119, 0.2594

Previews

White Background



This preview shows how the Yxy color 22.1301, 0.3638, 0.3120 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 22.1301, 0.3638, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

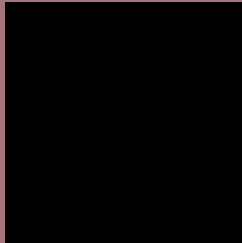
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1301, 0.3638, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 22.1301, 0.3638, 0.3120.



This preview shows how white text looks on a background with the Yxy color 22.1301, 0.3638, 0.3120.

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

22.1301, 0.3638, 0.3120

Protanopia

22.2751, 0.3086, 0.3185

Deuteranopia

22.0772, 0.3359, 0.3291



Tritanopia

22.0784, 0.3664, 0.3151

Trichromacy



Original Color

22.1301, 0.3638, 0.3120

Protanomaly

22.0105, 0.3279, 0.3155

Deuteranomaly

22.1008, 0.3454, 0.3225

Tritanomaly

22.1041, 0.3651, 0.3136

Monochromacy



Original Color

22.1301, 0.3638, 0.3120

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.4627, 0.3299, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1301, 0.3638, 0.3120 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(166, 116, 127)` looks like.

```
.text, #text, p{  
    color:rgb(166, 116, 127)  
}
```

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(166, 116, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 116, 127) }
```

Border

The CSS property to change the border of an element to Yxy 22.1301, 0.3638, 0.3120 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(166, 116, 127) }
```

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

```
.border{ border-color:rgb(166, 116, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 116, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 116, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 116, 127);  
box-shadow:4px 4px 4px 4px rgb(166, 116,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1301, 0.3638, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 116, 127) }
```

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

```
.background{ background-color: rgb(166,  
116, 127) }
```

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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