

Converting Colors

$Y_{xy}(22.2273, 0.3813, 0.3226)$

Have a look what the booklet for
Yxy(22.2273, 0.3813, 0.3226)
contains.

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Color

Yxy(22.2513, 0.3812, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	AB7377
RGB	171, 115, 119
RGB Percent	67%, 45%, 47%
CMY	0.3295, 0.5490, 0.5333
CMYK	0.00, 0.33, 0.30, 0.33
HSL	356°, 25%, 56%
HSV	356°, 33%, 67%
XYZ	26.2525, 22.2513, 20.3643
YIQ	132.2000, 32.0920, 13.1160

Conversions

Conversions Part 2

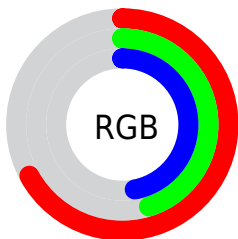
Format	Color
R_{YB}	171, 115, 119
Decimal	11236215
CIE _{Lab}	54.29, 22.64, 6.82
CIE _{LCh}	54, 23.642, 16.763
Yxy	22.2513, 0.3812, 0.3231
Android (android.graphics.Color)	4289426295 (0xFFAB7377)
YUV	132.2000, -6.5076, 34.0276
Hunter-Lab	47.1713, 16.7920, 7.4238

Details

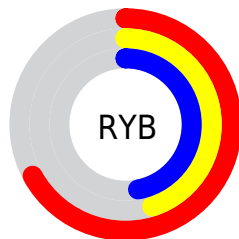
The Yxy color **22.2513, 0.3812, 0.3231** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **35.5553, 0.2697, 0.3352**, and the grayscale version is **23.1661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0717, 0.3665, 0.3245**, and **8.1333, 0.4081, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **18.3571, 0.4132, 0.3213**, and if you desaturate by 10%, it is **26.9346, 0.3550, 0.3250**.

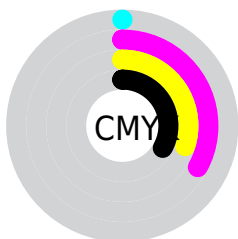
Distribution



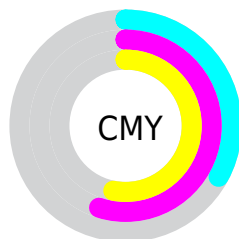
- Red (67%)
- Green (45%)
- Blue (47%)



- Red (67%)
- Yellow (45%)
- Blue (47%)



- Cyan (0%)
- Magenta (33%)
- Yellow (30%)
- Black (33%)





- Cyan (33%)
- Magenta (55%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2513, 0.3812, 0.3231 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 22.2513, 0.3812, 0.3231 by changing the saturation by 10% instead.

 22.2513, 0.3812,
0.3231


 22.2513, 0.3812,
0.3231


263.8558, 0.3425,
0.3271


 14.0417, 0.3927,
0.3216


 47.1610, 0.3659,
0.3249


 8.1497, 0.4088,
0.3193


 64.6298, 0.3605,
0.3254

 4.1909, 0.4328,
0.3153


 85.9539, 0.3561,
0.3259

 1.7809, 0.4723,
0.3076

 111.5175, 0.3525,
0.3262

 0.4752, 0.6630,
0.3104

141.7051, 0.3494,
0.3265

 0.0000, 0.0000,
0.0000

176.9011, 0.3468,

0.3267

217.4899, 0.3445,
0.3269

■ 22.2513, 0.3812,
0.3231

■ 22.2513, 0.3812,
0.3231

■ 18.3571, 0.4132,
0.3213

■ 26.9346, 0.3550,
0.3250

■ 15.2057, 0.4513,
0.3199

■ 32.4439, 0.3338,
0.3268

■ 12.7507, 0.4946,
0.3192


■ 38.8173, 0.3168,
0.3285

■ 10.9393, 0.5400,
0.3194


■ 46.0898, 0.3030,
0.3302

■ 9.7111, 0.5825,
0.3210

■ 54.2944, 0.2920,
0.3316


 8.9942, 0.6154,
0.3239

 63.4625, 0.2830,
0.3329

 8.6831, 0.6318,
0.3254

 73.6240, 0.2756,
0.3341

 84.8074, 0.2695,
0.3352

 87.3961, 0.2657,
0.3289

Harmonies

Analogous

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



22.2513, 0.3456, 0.2919



22.2513, 0.3812, 0.3231



22.2513, 0.3970, 0.3573

Triad

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



22.2513, 0.3812, 0.3231



22.2513, 0.3183, 0.3991



22.2513, 0.2411, 0.2678

Complementary

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



22.2513, 0.3812, 0.3231



35.5553, 0.2697, 0.3352

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.



22.2513, 0.2351, 0.2917



22.2513, 0.3812, 0.3231



22.2513, 0.2778, 0.3705

Square

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



22.2513, 0.3812, 0.3231



22.2513, 0.3589, 0.4043



22.2513, 0.2480, 0.3294



22.2513, 0.2649, 0.2607

Rectangle

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



22.2513, 0.3812, 0.3231



22.2513, 0.3939, 0.3784



22.2513, 0.2480, 0.3294



22.2513, 0.2370, 0.2739

Sweetspot

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



22.2524, 0.3812, 0.3231



60.8881, 0.3291, 0.3273



23.3455, 0.3111, 0.2481



13.2458, 0.3316, 0.3270



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.



22.2524, 0.3812, 0.3231



34.8635, 0.4028, 0.3219



28.1671, 0.3754, 0.3643



8.0243, 0.3276, 0.3274



6.5503, 0.6305, 0.3247



0.1852, 0.5921, 0.3035

Inverse Universe

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



22.2524, 0.3812, 0.3231



34.8635, 0.4028, 0.3219



27.6594, 0.2623, 0.2907



8.0243, 0.3276, 0.3274



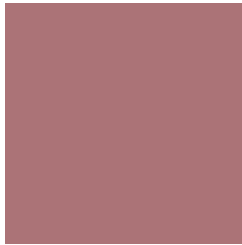
6.5503, 0.6305, 0.3247



0.1852, 0.5921, 0.3035

Previews

White Background



This preview shows how the Yxy color 22.2513, 0.3812, 0.3231 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 22.2513, 0.3812, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

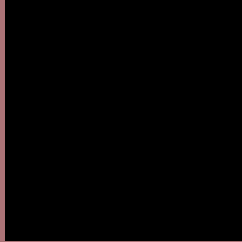
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2513, 0.3812, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 22.2513, 0.3812, 0.3231.



This preview shows how white text looks on a background with the Yxy color 22.2513, 0.3812, 0.3231.

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

22.2513, 0.3812, 0.3231

Protanopia

22.4841, 0.3195, 0.3343

Deuteranopia

22.5020, 0.3502, 0.3443



Tritanopia

22.1226, 0.3763, 0.3155

Trichromacy



Original Color

22.2513, 0.3812, 0.3231

Protanomaly

22.3255, 0.3408, 0.3308

Deuteranomaly

22.2950, 0.3605, 0.3357

Tritanomaly

22.0977, 0.3776, 0.3170

Monochromacy



Original Color

22.2513, 0.3812, 0.3231

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.5650, 0.3358, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2513, 0.3812, 0.3231 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(171, 115, 119)` looks like.

```
.text, #text, p{  
    color:rgb(171, 115, 119)  
}
```

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(171, 115, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 115, 119) }
```

Border

The CSS property to change the border of an element to Yxy 22.2513, 0.3812, 0.3231 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(171, 115, 119) }
```

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

```
.border{ border-color:rgb(171, 115, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 115, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 115, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 115, 119);  
box-shadow:4px 4px 4px 4px rgb(171, 115,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2513, 0.3812, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 115, 119) }
```

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

```
.background{ background-color: rgb(171,  
115, 119) }
```

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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