

Converting Colors

$Y_{xy}(21.8707, 0.3801, 0.3261)$

Have a look what the booklet for
Yxy(21.8707, 0.3801, 0.3261)
contains.

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Color

Yxy(21.8707, 0.3801, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	A87375
RGB	168, 115, 117
RGB Percent	66%, 45%, 46%
CMY	0.3411, 0.5490, 0.5412
CMYK	0.00, 0.32, 0.30, 0.34
HSL	358°, 23%, 55%
HSV	358°, 32%, 66%
XYZ	25.4923, 21.8707, 19.7044
YIQ	131.0750, 30.9460, 11.8580

Conversions

Conversions Part 2

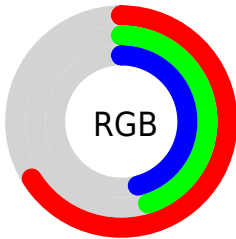
Format	Color
R_{YB}	168, 115, 117
Decimal	11039605
CIE _{Lab}	53.89, 21.20, 7.37
CIE _{LCh}	54, 22.446, 19.176
Yxy	21.8707, 0.3801, 0.3261
Android (android.graphics.Color)	4289229685 (0xFFA87375)
YUV	131.0750, -6.9390, 32.3832
Hunter-Lab	46.7661, 15.4601, 7.7551

Details

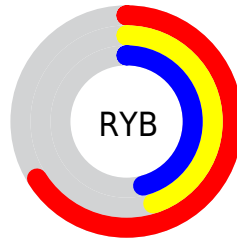
The Yxy color **21.8707, 0.3801, 0.3261** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.4104, 0.2698, 0.3321**, and the grayscale version is **22.7427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3493, 0.3647, 0.3268**, and **7.9035, 0.4067, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **18.0348, 0.4126, 0.3252**, and if you desaturate by 10%, it is **26.4727, 0.3536, 0.3271**.

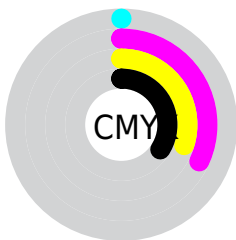
Distribution



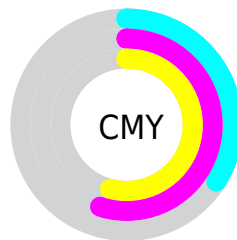
- Red (66%)
- Green (45%)
- Blue (46%)



- Red (66%)
- Yellow (45%)
- Blue (46%)



- Cyan (0%)
- Magenta (32%)
- Yellow (30%)
- Black (34%)




- Cyan (34%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8707, 0.3801, 0.3261 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 21.8707, 0.3801, 0.3261 by changing the saturation by 10% instead.


 21.8707, 0.3801,
0.3261


 21.8707, 0.3801,
0.3261


261.8703, 0.3419,
0.3284


 13.7619, 0.3915,
0.3251


 46.5322, 0.3649,
0.3272


 7.9553, 0.4075,
0.3234


 63.8537, 0.3596,
0.3276

 4.0663, 0.4315,
0.3203

 85.0149, 0.3553,
0.3278

 1.7107, 0.4711,
0.3138

 110.4002, 0.3517,
0.3280

 0.4306, 0.6835,
0.3165

140.3940, 0.3487,
0.3282

 0.0000, 0.0000,
0.0000

175.3807, 0.3461,

0.3283

215.7447, 0.3438,
0.3284

■ 21.8707, 0.3801,
0.3261

■ 21.8707, 0.3801,
0.3261

■ 18.0348, 0.4126,
0.3252

■ 26.4727, 0.3536,
0.3271

■ 14.9206, 0.4513,
0.3245

■ 31.8760, 0.3322,
0.3280

■ 12.4839, 0.4954,
0.3242


■ 38.1173, 0.3151,
0.3289


■ 10.6743, 0.5417,
0.3244


■ 45.2302, 0.3013,
0.3297


■ 9.4344, 0.5848,
0.3253

■ 53.2462, 0.2901,
0.3304

 8.6963, 0.6178,
0.3268

 62.1956, 0.2811,
0.3311

 8.3406, 0.6356,
0.3275

 72.1070, 0.2737,
0.3317

 83.0080, 0.2676,
0.3323

 87.0667, 0.2643,
0.3289

Harmonies

Analogous

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



21.8707, 0.3474, 0.2957



21.8707, 0.3801, 0.3261



21.8707, 0.3934, 0.3589

Triad

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



21.8707, 0.3801, 0.3261



21.8707, 0.3149, 0.3943



21.8707, 0.2453, 0.2693

Complementary

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



21.8707, 0.3801, 0.3261



34.4104, 0.2698, 0.3321

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.



21.8707, 0.2382, 0.2911



21.8707, 0.3801, 0.3261



21.8707, 0.2766, 0.3656

Square

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



21.8707, 0.3801, 0.3261



21.8707, 0.3541, 0.4013



21.8707, 0.2492, 0.3263



21.8707, 0.2695, 0.2637

Rectangle

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



21.8707, 0.3801, 0.3261



21.8707, 0.3892, 0.3786



21.8707, 0.2492, 0.3263



21.8707, 0.2410, 0.2748

Sweetspot

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



21.8717, 0.3801, 0.3261



60.3975, 0.3278, 0.3282



23.1273, 0.3132, 0.2516



12.8338, 0.3304, 0.3281



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.



21.8717, 0.3801, 0.3261



34.5724, 0.4026, 0.3255



27.9881, 0.3717, 0.3655



7.5467, 0.3280, 0.3282



6.2988, 0.6349, 0.3271



0.1546, 0.6121, 0.3146

Inverse Universe

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



21.8717, 0.3801, 0.3261



34.5724, 0.4026, 0.3255



26.4670, 0.2638, 0.2893



7.5467, 0.3280, 0.3282



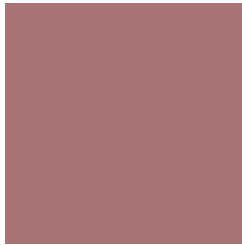
6.2988, 0.6349, 0.3271



0.1546, 0.6121, 0.3146

Previews

White Background



This preview shows how the Yxy color 21.8707, 0.3801, 0.3261 looks on a white background.

Color Contrast Check

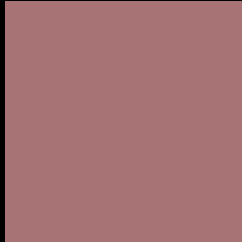
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8707, 0.3801, 0.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

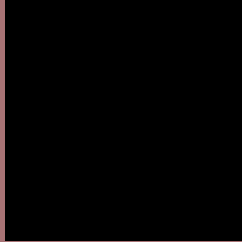
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8707, 0.3801, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 21.8707, 0.3801, 0.3261.



This preview shows how white text looks on a background with the Yxy color 21.8707, 0.3801, 0.3261.

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

21.8707, 0.3801, 0.3261

Protanopia

22.1423, 0.3229, 0.3379

Deuteranopia

21.8562, 0.3520, 0.3445



Tritanopia

21.8997, 0.3737, 0.3153

Trichromacy



Original Color

21.8707, 0.3801, 0.3261

Protanomaly

21.9068, 0.3434, 0.3342

Deuteranomaly

21.9043, 0.3621, 0.3374

Tritanomaly

21.8501, 0.3764, 0.3184

Monochromacy



Original Color

21.8707, 0.3801, 0.3261

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.1029, 0.3347, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8707, 0.3801, 0.3261 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(168, 115, 117)` looks like.

```
.text, #text, p{  
    color:rgb(168, 115, 117)  
}
```

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(168, 115, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 115, 117) }
```

Border

The CSS property to change the border of an element to Yxy 21.8707, 0.3801, 0.3261 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(168, 115, 117) }
```

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

```
.border{ border-color:rgb(168, 115, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 115, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 115, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 115, 117);  
box-shadow:4px 4px 4px 4px rgb(168, 115,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8707, 0.3801, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 115, 117) }
```

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

```
.background{ background-color: rgb(168,  
115, 117) }
```

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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