

Converting Colors

$Y_{xy}(21.7502, 0.3888, 0.3430)$

Have a look what the booklet for
Yxy(21.7502, 0.3888, 0.3430)
contains.

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Color

Yxy(21.6805, 0.3891, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	A6746C
RGB	166, 116, 108
RGB Percent	65%, 45%, 42%
CMY	0.3489, 0.5451, 0.5765
CMYK	0.00, 0.30, 0.35, 0.35
HSL	8°, 25%, 54%
HSV	8°, 35%, 65%
XYZ	24.6808, 21.6805, 17.0691
YIQ	130.0380, 32.3680, 8.1120

Conversions

Conversions Part 2

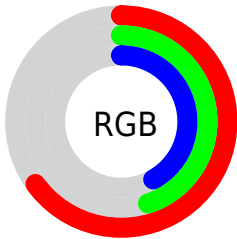
Format	Color
R_{YB}	166, 117, 108
Decimal	10908780
CIE _{Lab}	53.69, 18.62, 12.31
CIE _{LCh}	54, 22.319, 33.470
Yxy	21.6805, 0.3891, 0.3418
Android (android.graphics.Color)	4289098860 (0xFFA6746C)
YUV	130.0380, -10.8647, 31.5387
Hunter-Lab	46.5623, 13.1314, 10.8587

Details

The Yxy color **21.6805, 0.3891, 0.3418** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.4010, 0.2626, 0.3156**, and the grayscale version is **22.3685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0381, 0.3720, 0.3399**, and **7.7960, 0.4191, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **18.3119, 0.4217, 0.3454**, and if you desaturate by 10%, it is **25.6268, 0.3618, 0.3380**.

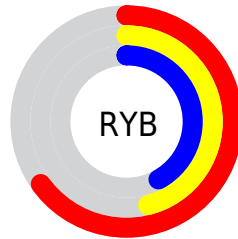
Distribution



Red (65%)

Green (45%)

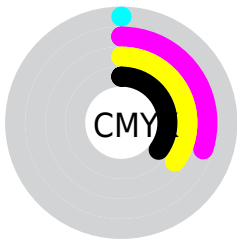
Blue (42%)



Red (65%)

Yellow (46%)

Blue (42%)

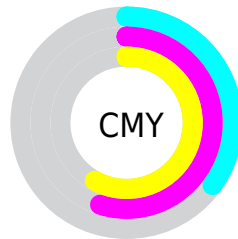


Cyan (0%)

Magenta (30%)

Yellow (35%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6805, 0.3891, 0.3418 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 21.6805, 0.3891, 0.3418 by changing the saturation by 10% instead.


 21.6805, 0.3891,
0.3418


 21.6805, 0.3891,
0.3418


260.8732, 0.3457,
0.3357

 13.6223, 0.4021,
0.3430


 46.2174, 0.3718,
0.3397


 7.8585, 0.4203,
0.3443


 63.4648, 0.3658,
0.3389

 4.0045, 0.4474,
0.3453

 84.5442, 0.3609,
0.3382

 1.6761, 0.4927,
0.3449

 109.8399, 0.3568,
0.3376

 0.4081, 0.6736,
0.3264

139.7362, 0.3534,
0.3370

 0.0000, 0.0000,
0.0000

174.6176, 0.3504,

0.3365

214.8685, 0.3479,
0.3361

■ 21.6805, 0.3891,
0.3418

■ 21.6805, 0.3891,
0.3418

■ 18.3119, 0.4217,
0.3454

■ 25.6268, 0.3618,
0.3380

■ 15.4909, 0.4596,
0.3485

■ 30.1731, 0.3392,
0.3342

■ 13.1894, 0.5016,
0.3503


■ 35.3440, 0.3206,
0.3307


■ 11.3753, 0.5447,
0.3502


■ 41.1619, 0.3054,
0.3274


■ 10.0132, 0.5841,
0.3477


■ 47.6484, 0.2929,
0.3244


 9.0622, 0.6144,
0.3428

 54.8236, 0.2825,
0.3217

 8.7178, 0.6266,
0.3407

 62.7070, 0.2739,
0.3192

 71.3175, 0.2667,
0.3170

 80.5167, 0.2618,
0.3176

Harmonies

Analogous

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



21.6805, 0.3647, 0.3095



21.6805, 0.3891, 0.3418



21.6805, 0.3912, 0.3732

Triad

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



21.6805, 0.3891, 0.3418



21.6805, 0.2959, 0.3827



21.6805, 0.2551, 0.2648

Complementary

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



21.6805, 0.3891, 0.3418



30.4010, 0.2626, 0.3156

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.



21.6805, 0.2395, 0.2789



21.6805, 0.3891, 0.3418



21.6805, 0.2619, 0.3472

Square

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



21.6805, 0.3891, 0.3418



21.6805, 0.3360, 0.4007



21.6805, 0.2419, 0.3083



21.6805, 0.2859, 0.2667

Rectangle

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



21.6805, 0.3891, 0.3418



21.6805, 0.3800, 0.3898



21.6805, 0.2419, 0.3083



21.6805, 0.2480, 0.2676

Sweetspot

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



21.6815, 0.3891, 0.3418



59.0746, 0.3299, 0.3325



21.3111, 0.3258, 0.2545



12.9391, 0.3324, 0.3330



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.



21.6815, 0.3891, 0.3418



34.4671, 0.4142, 0.3447



29.3641, 0.3741, 0.3852



7.7030, 0.3282, 0.3322



6.8011, 0.6254, 0.3416



0.2140, 0.5788, 0.3786

Inverse Universe

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



30.4010, 0.2626, 0.3156



52.6890, 0.2530, 0.3122



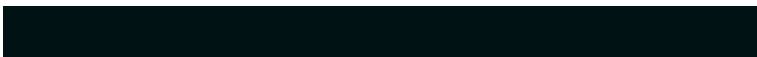
21.7132, 0.2560, 0.2653



8.3530, 0.2987, 0.3258



17.4436, 0.2127, 0.2855



0.4713, 0.2170, 0.3012

Previews

White Background



This preview shows how the Yxy color 21.6805, 0.3891, 0.3418 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 21.6805, 0.3891, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

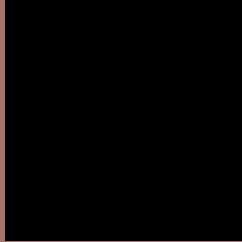
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6805, 0.3891, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 21.6805, 0.3891, 0.3418.



This preview shows how white text looks on a background with the Yxy color 21.6805, 0.3891, 0.3418.

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

21.6805, 0.3891, 0.3418

Protanopia

21.7216, 0.3357, 0.3541

Deuteranopia

21.8664, 0.3644, 0.3580



Tritanopia

21.6553, 0.3725, 0.3167

Trichromacy



Original Color

21.6805, 0.3891, 0.3418

Protanomaly

21.6961, 0.3544, 0.3497

Deuteranomaly

21.7048, 0.3735, 0.3523

Tritanomaly

21.7613, 0.3788, 0.3261

Monochromacy



Original Color

21.6805, 0.3891, 0.3418

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9120, 0.3382, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6805, 0.3891, 0.3418 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(166, 116, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 116, 108) }
```

Border

The CSS property to change the border of an element to Yxy 21.6805, 0.3891, 0.3418 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, 108) }
```

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

```
.border{ border-color:rgb(166, 116, 108) }
```

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, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 116, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 116, 108);  
box-shadow:4px 4px 4px 4px rgb(166, 116,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6805, 0.3891, 0.3418 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, 108) }
```

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

```
.background{ background-color: rgb(166,  
116, 108) }
```

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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