

Converting Colors

$Y_{xy}(22.2678, 0.3816, 0.3489)$

Have a look what the booklet for
Yxy(22.2678, 0.3816, 0.3489)
contains.

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Color

Yxy(22.1970, 0.3818, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	A2786C
RGB	162, 120, 108
RGB Percent	64%, 47%, 42%
CMY	0.3647, 0.5294, 0.5765
CMYK	0.00, 0.26, 0.33, 0.36
HSL	13°, 23%, 53%
HSV	13°, 33%, 64%
XYZ	24.3250, 22.1970, 17.1893
YIQ	131.1900, 28.8840, 5.1720

Conversions

Conversions Part 2

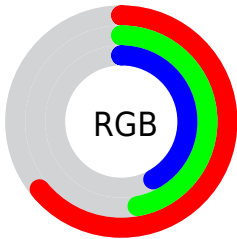
Format	Color
RYB	162, 123, 108
Decimal	10647660
CIELab	54.24, 14.71, 13.00
CIELCh	54, 19.634, 41.474
Yxy	22.1970, 0.3818, 0.3484
Android (android.graphics.Color)	4288837740 (0xFFA2786C)
YUV	131.1900, -11.4327, 27.0204
Hunter-Lab	47.1137, 9.7112, 11.3478

Details

The Yxy color $22.1970, 0.3818, 0.3484$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $27.6128, 0.2639, 0.3085$, and the grayscale version is $22.8030, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.9137, 0.3669, 0.3448$, and $8.0946, 0.4092, 0.3523$ is the 20% darker color. If you saturate the color by 10%, you get $19.0503, 0.4115, 0.3543$, and if you desaturate by 10%, it is $25.8088, 0.3566, 0.3423$.

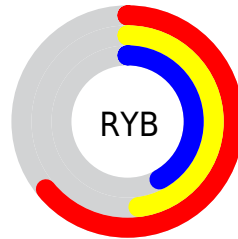
Distribution



Red (64%)

Green (47%)

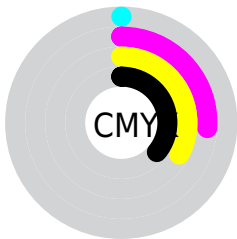
Blue (42%)



Red (64%)

Yellow (48%)

Blue (42%)

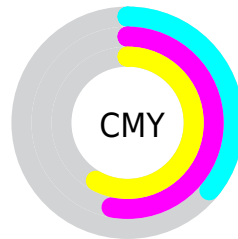


Cyan (0%)

Magenta (26%)

Yellow (33%)

Black (36%)



Cyan (36%)


Magenta (53%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1970, 0.3818, 0.3484 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 22.1970, 0.3818, 0.3484 by changing the saturation by 10% instead.


 22.1970, 0.3818,
0.3484


 22.1970, 0.3818,
0.3484


263.5733, 0.3427,
0.3384


 14.0017, 0.3934,
0.3508


 47.0714, 0.3663,
0.3448

 8.1219, 0.4096,
0.3539


 64.5193, 0.3609,
0.3434

 4.1730, 0.4337,
0.3575

 85.8202, 0.3565,
0.3423

 1.7708, 0.4737,
0.3616

 111.3584, 0.3528,
0.3413

 0.4689, 0.6319,
0.3681

141.5185, 0.3497,
0.3404

 0.0000, 0.0000,
0.0000

176.6847, 0.3470,

0.3397

217.2416, 0.3447,
0.3390

■ 22.1970, 0.3818,
0.3484

■ 22.1970, 0.3818,
0.3484

■ 19.0503, 0.4115,
0.3543

■ 25.8088, 0.3566,
0.3423

■ 16.3466, 0.4458,
0.3595

■ 29.9005, 0.3355,
0.3364

■ 14.0665, 0.4838,
0.3633

■ 34.4901, 0.3179,
0.3308

■ 12.1880, 0.5237,
0.3646

■ 39.5936, 0.3033,
0.3256

■ 10.6871, 0.5619,
0.3626

■ 45.2265, 0.2910,
0.3208

■ 9.5368, 0.5940,
0.3568

■ 51.4034, 0.2808,
0.3165

■ 8.9440, 0.6119,
0.3523

■ 58.1385, 0.2721,
0.3126

■ 65.4454, 0.2648,
0.3090

■ 73.3373, 0.2586,
0.3058

Harmonies

Analogous

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



22.1970, 0.3653, 0.3195



22.1970, 0.3818, 0.3484



22.1970, 0.3784, 0.3745

Triad

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



22.1970, 0.3818, 0.3484



22.1970, 0.2894, 0.3684



22.1970, 0.2682, 0.2716

Complementary

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



22.1970, 0.3818, 0.3484



27.6128, 0.2639, 0.3085

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.



22.1970, 0.2505, 0.2805



22.1970, 0.3818, 0.3484



22.1970, 0.2621, 0.3358

Square

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



22.1970, 0.3818, 0.3484



22.1970, 0.3240, 0.3889



22.1970, 0.2483, 0.3033



22.1970, 0.2984, 0.2767

Rectangle

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



22.1970, 0.3818, 0.3484



22.1970, 0.3657, 0.3867



22.1970, 0.2483, 0.3033



22.1970, 0.2607, 0.2729

Sweetspot

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



22.1980, 0.3818, 0.3484



56.7984, 0.3296, 0.3346



20.6194, 0.3306, 0.2643



12.5132, 0.3321, 0.3353



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.



22.1980, 0.3818, 0.3484



35.9734, 0.4034, 0.3528



29.5416, 0.3686, 0.3889



7.3294, 0.3280, 0.3341



7.1006, 0.6105, 0.3535



0.2133, 0.5478, 0.4032

Inverse Universe

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



27.6128, 0.2639, 0.3085



47.3161, 0.2539, 0.3032



20.0382, 0.2579, 0.2607



7.7430, 0.2988, 0.3239



13.8777, 0.2048, 0.2572



0.3541, 0.2128, 0.2861

Previews

White Background



This preview shows how the Yxy color 22.1970, 0.3818, 0.3484 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 22.1970, 0.3818, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

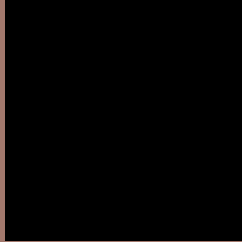
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1970, 0.3818, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 22.1970, 0.3818, 0.3484.



This preview shows how white text looks on a background with the Yxy color 22.1970, 0.3818, 0.3484.

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

22.1970, 0.3818, 0.3484

Protanopia

22.3918, 0.3387, 0.3592

Deuteranopia

22.2128, 0.3652, 0.3595



Tritanopia

22.1215, 0.3622, 0.3150

Trichromacy



Original Color

22.1970, 0.3818, 0.3484

Protanomaly

22.0891, 0.3536, 0.3549

Deuteranomaly

22.0975, 0.3713, 0.3557

Tritanomaly

22.0753, 0.3697, 0.3276

Monochromacy



Original Color

22.1970, 0.3818, 0.3484

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.3596, 0.3353, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1970, 0.3818, 0.3484 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(162, 120, 108)` looks like.

```
.text, #text, p{  
    color:rgb(162, 120, 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(162, 120, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 120, 108) }
```

Border

The CSS property to change the border of an element to Yxy 22.1970, 0.3818, 0.3484 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(162, 120, 108) }
```

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

```
.border{ border-color:rgb(162, 120, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 120, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 120, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 120, 108);  
box-shadow:4px 4px 4px 4px rgb(162, 120,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1970, 0.3818, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 120, 108) }
```

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

```
.background{ background-color: rgb(162,  
120, 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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