

Converting Colors

$Y_{xy}(21.8603, 0.3779, 0.3294)$

Have a look what the booklet for
Yxy(21.8603, 0.3779, 0.3294)
contains.

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Color

Yxy(21.8587, 0.3784, 0.3292)

Conversions

Conversions Part 1

Format	Color
Hex	A67474
RGB	166, 116, 116
RGB Percent	65%, 45%, 45%
CMY	0.3490, 0.5451, 0.5451
CMYK	0.00, 0.30, 0.30, 0.35
HSL	0°, 22%, 55%
HSV	0°, 30%, 65%
XYZ	25.1256, 21.8587, 19.4152
YIQ	130.9500, 29.8000, 10.6000

Conversions

Conversions Part 2

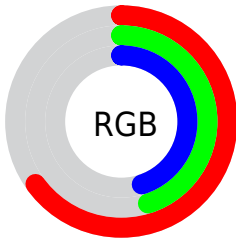
Format	Color
RYB	166, 116, 116
Decimal	10908788
CIELab	53.88, 19.70, 7.91
CIELCh	54, 21.229, 21.867
Yxy	21.8587, 0.3784, 0.3292
Android (android.graphics.Color)	4289098868 (0xFFA67474)
YUV	130.9500, -7.3703, 30.7389
Hunter-Lab	46.7533, 14.1089, 8.1060

Details

The Yxy color **21.8587, 0.3784, 0.3292** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **33.7419, 0.2702, 0.3289**, and the grayscale version is **22.6975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3620, 0.3635, 0.3292**, and **7.9424, 0.4060, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **18.0164, 0.4113, 0.3293**, and if you desaturate by 10%, it is **26.4559, 0.3517, 0.3291**.

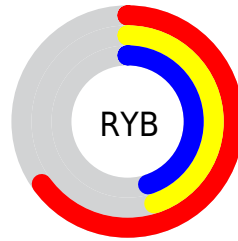
Distribution



Red (65%)

Green (45%)

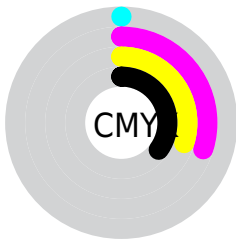
Blue (45%)



Red (65%)

Yellow (45%)

Blue (45%)

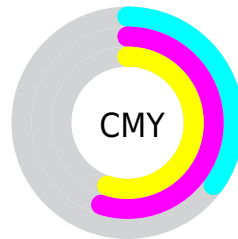


Cyan (0%)

Magenta (30%)

Yellow (30%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8587, 0.3784, 0.3292 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 21.8587, 0.3784, 0.3292 by changing the saturation by 10% instead.


 21.8587, 0.3784,
0.3292


 21.8587, 0.3784,
0.3292


261.8075, 0.3411,
0.3298


 13.7531, 0.3895,
0.3287


 46.5123, 0.3636,
0.3297


 7.9492, 0.4052,
0.3277


 63.8292, 0.3584,
0.3297

 4.0624, 0.4286,
0.3256

 84.9853, 0.3542,
0.3298

 1.7085, 0.4673,
0.3208

 110.3649, 0.3507,
0.3298

 0.4292, 0.6746,
0.3254

140.3526, 0.3478,
0.3298

 0.0000, 0.0000,
0.0000

175.3326, 0.3452,

0.3298

215.6895, 0.3430,
0.3298

■ 21.8587, 0.3784,
0.3292

■ 21.8587, 0.3784,
0.3292

■ 18.0164, 0.4113,
0.3293

■ 26.4559, 0.3517,
0.3291

■ 14.8857, 0.4506,
0.3294

■ 31.8421, 0.3302,
0.3291

■ 12.4240, 0.4954,
0.3296


■ 38.0529, 0.3129,
0.3290

■ 10.5825, 0.5427,
0.3297


■ 45.1209, 0.2991,
0.3290

■ 9.3061, 0.5865,
0.3298


■ 53.0770, 0.2879,
0.3289


 8.5298, 0.6195,
0.3299

 61.9504, 0.2789,
0.3289

 8.1091, 0.6401,
0.3300

 71.7692, 0.2714,
0.3289

 82.5601, 0.2653,
0.3289

 86.8486, 0.2633,
0.3289

Harmonies

Analogous

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



21.8587, 0.3488, 0.2998



21.8587, 0.3784, 0.3292



21.8587, 0.3891, 0.3602

Triad

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



21.8587, 0.3784, 0.3292



21.8587, 0.3115, 0.3889



21.8587, 0.2502, 0.2713

Complementary

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



21.8587, 0.3784, 0.3292



33.7419, 0.2702, 0.3289

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.



21.8587, 0.2418, 0.2908



21.8587, 0.3784, 0.3292



21.8587, 0.2758, 0.3604

Square

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



21.8587, 0.3784, 0.3292



21.8587, 0.3490, 0.3976



21.8587, 0.2508, 0.3233



21.8587, 0.2745, 0.2672

Rectangle

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



21.8587, 0.3784, 0.3292



21.8587, 0.3838, 0.3784



21.8587, 0.2508, 0.3233



21.8587, 0.2455, 0.2761

Sweetspot

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



21.8597, 0.3784, 0.3292



58.7996, 0.3283, 0.3291



23.3513, 0.3161, 0.2558



12.8255, 0.3310, 0.3291



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.



21.8597, 0.3784, 0.3292



34.9563, 0.3991, 0.3293



28.4202, 0.3673, 0.3675



7.5425, 0.3286, 0.3291



6.2870, 0.6401, 0.3300



0.1530, 0.6400, 0.3300

Inverse Universe

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



33.7419, 0.2702, 0.3289



59.9537, 0.2624, 0.3288



25.5170, 0.2656, 0.2871



8.5319, 0.2987, 0.3290



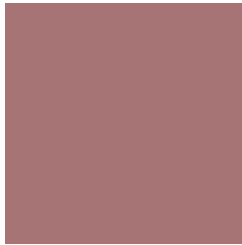
23.2778, 0.2246, 0.3287



0.5664, 0.2247, 0.3287

Previews

White Background



This preview shows how the Yxy color 21.8587, 0.3784, 0.3292 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 21.8587, 0.3784, 0.3292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

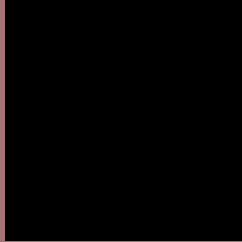
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8587, 0.3784, 0.3292

Background



This preview shows how black text looks on a background with the Yxy color 21.8587, 0.3784, 0.3292.



This preview shows how white text looks on a background with the Yxy color 21.8587, 0.3784, 0.3292.

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

21.8587, 0.3784, 0.3292

Protanopia

22.1171, 0.3240, 0.3397

Deuteranopia

21.8333, 0.3532, 0.3462



Tritanopia

21.9322, 0.3694, 0.3152

Trichromacy



Original Color

21.8587, 0.3784, 0.3292

Protanomaly

21.7911, 0.3434, 0.3359

Deuteranomaly

21.7826, 0.3621, 0.3391

Tritanomaly

21.8574, 0.3734, 0.3198

Monochromacy



Original Color

21.8587, 0.3784, 0.3292

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.3574, 0.3345, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8587, 0.3784, 0.3292 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, 116)` looks like.

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

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, 116) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 21.8587, 0.3784, 0.3292 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, 116) }
```

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

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

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, 116)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 21.8587, 0.3784, 0.3292 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, 116) }
```

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

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

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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