

Converting Colors

$Y_{xy}(20.1930, 0.3699, 0.3668)$

Have a look what the booklet for
Yxy(20.1930, 0.3699, 0.3668)
contains.

Yxy(20.2441, 0.3710, 0.3677)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2441, 0.3710, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	907862
RGB	144, 120, 98
RGB Percent	56%, 47%, 38%
CMY	0.4352, 0.5294, 0.6157
CMYK	0.00, 0.17, 0.32, 0.44
HSL	29°, 19%, 47%
HSV	29°, 32%, 56%
XYZ	20.4258, 20.2441, 14.3861
YIQ	124.6680, 21.3660, -1.7540

Conversions

Conversions Part 2

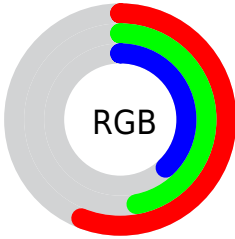
Format	Color
R_YB	144, 140, 98
Decimal	9468002
CIE Lab	52.11, 5.90, 15.57
CIE LCh	52, 16.652, 69.233
Yxy	20.2441, 0.3710, 0.3677
Android (android.graphics.Color)	4287658082 (0xFF907862)
YUV	124.6680, -13.1473, 16.9542
Hunter-Lab	44.9934, 2.2956, 12.5381

Details

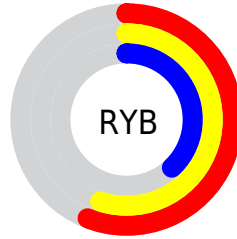
The Yxy color $20.2441, 0.3710, 0.3677$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $18.5375, 0.2635, 0.2867$, and the grayscale version is $20.4316, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.8171, 0.3581, 0.3588$, and $7.2009, 0.3960, 0.3838$ is the 20% darker color. If you saturate the color by 10%, you get $18.2588, 0.3943, 0.3802$, and if you desaturate by 10%, it is $22.4223, 0.3502, 0.3551$.

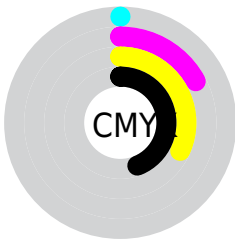
Distribution



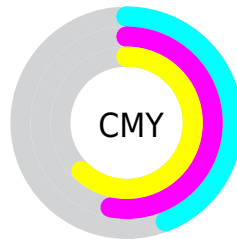
- Red (56%)
- Green (47%)
- Blue (38%)



- Red (56%)
- Yellow (55%)
- Blue (38%)



- Cyan (0%)
- Magenta (17%)
- Yellow (32%)
- Black (44%)




- Cyan (44%)
- Magenta (53%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2441, 0.3710, 0.3677 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 20.2441, 0.3710, 0.3677 by changing the saturation by 10% instead.


 20.2441, 0.3710,
0.3677


 20.2441, 0.3710,
0.3677


253.2335, 0.3377,
0.3462


 12.5726, 0.3810,
0.3738


 43.8261, 0.3577,
0.3594

 7.1349, 0.3950,
0.3820


 60.5053, 0.3531,
0.3564

 3.5466, 0.4159,
0.3936

 80.9559, 0.3494,
0.3540

 1.4233, 0.4651,
0.4242

 105.5623, 0.3463,
0.3519

 0.2338, 0.6104,
0.3896

134.7089, 0.3436,
0.3502

 0.0000, 0.0000,
0.0000

168.7800, 0.3414,

0.3487

208.1601, 0.3394,
0.3474

■ 20.2441, 0.3710,
0.3677

■ 20.2441, 0.3710,
0.3677

■ 18.2588, 0.3943,
0.3802

■ 22.4223, 0.3502,
0.3551

■ 16.4577, 0.4198,
0.3918

■ 24.7962, 0.3317,
0.3429

■ 14.8355, 0.4470,
0.4018

■ 27.3720, 0.3156,
0.3312

■ 13.3856, 0.4748,
0.4089

■ 30.1547, 0.3016,
0.3203

■ 12.1006, 0.5018,
0.4119

■ 33.1493, 0.2893,
0.3102

■ 10.9725, 0.5261,
0.4100

■ 36.3605, 0.2786,
0.3009

■ 10.1666, 0.5442,
0.4061

■ 39.7928, 0.2694,
0.2923

■ 43.4506, 0.2612,
0.2845

■ 47.3382, 0.2541,
0.2773

Harmonies

Analogous

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



20.2441, 0.3725, 0.3445



20.2441, 0.3710, 0.3677



20.2441, 0.3533, 0.3821

Triad

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



20.2441, 0.3710, 0.3677



20.2441, 0.2697, 0.3373



20.2441, 0.2980, 0.2821

Complementary

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



20.2441, 0.3710, 0.3677



18.5375, 0.2635, 0.2867

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.



20.2441, 0.2721, 0.2786



20.2441, 0.3710, 0.3677



20.2441, 0.2564, 0.3087

Square

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



20.2441, 0.3710, 0.3677



20.2441, 0.2946, 0.3650



20.2441, 0.2573, 0.2877



20.2441, 0.3292, 0.2966

Rectangle

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



20.2441, 0.3710, 0.3677



20.2441, 0.3352, 0.3837



20.2441, 0.2573, 0.2877



20.2441, 0.2884, 0.2796

Sweetspot

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



20.2450, 0.3710, 0.3677



44.4877, 0.3288, 0.3408



16.0857, 0.3457, 0.2863



10.0749, 0.3309, 0.3423



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.2450, 0.3710, 0.3677



33.2691, 0.3866, 0.3763



26.3055, 0.3600, 0.4037



5.8226, 0.3270, 0.3395



8.8967, 0.5433, 0.4068



0.1287, 0.4805, 0.4567

Inverse Universe

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



18.5375, 0.2635, 0.2867



29.7932, 0.2528, 0.2760



13.6364, 0.2582, 0.2414



5.6916, 0.2990, 0.3182



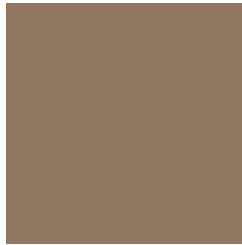
6.2046, 0.1804, 0.1693



0.1035, 0.2011, 0.2441

Previews

White Background



This preview shows how the Yxy color 20.2441, 0.3710, 0.3677 looks on a white background.

Color Contrast Check

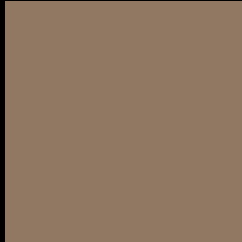
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2441, 0.3710, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

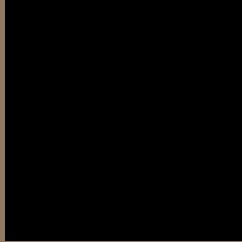
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2441, 0.3710, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 20.2441, 0.3710, 0.3677.



This preview shows how white text looks on a background with the Yxy color 20.2441, 0.3710, 0.3677.

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

20.2441, 0.3710, 0.3677

Protanopia

20.2409, 0.3508, 0.3733

Deuteranopia

20.0952, 0.3728, 0.3658



Tritanopia

20.1745, 0.3419, 0.3138

Trichromacy



Original Color

20.2441, 0.3710, 0.3677

Protanomaly

20.3010, 0.3577, 0.3726

Deuteranomaly

20.0952, 0.3728, 0.3658

Tritanomaly

20.0714, 0.3531, 0.3326

Monochromacy



Original Color

20.2441, 0.3710, 0.3677

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3093, 0.3332, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2441, 0.3710, 0.3677 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(144, 120, 98)` looks like.

```
.text, #text, p{  
    color:rgb(144, 120, 98)  
}
```

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(144, 120, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 120, 98) }
```

Border

The CSS property to change the border of an element to Yxy 20.2441, 0.3710, 0.3677 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(144, 120, 98) }
```

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

```
.border{ border-color:rgb(144, 120, 98) }
```

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

Here you see how a box with a 4 pixel rgb(144, 120, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 120, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 120, 98);  
box-shadow:4px 4px 4px 4px rgb(144, 120,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2441, 0.3710, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 120, 98) }
```

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

```
.background{ background-color: rgb(144,  
120, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor