

Converting Colors

$Y_{xy}(20.8312, 0.3777, 0.3438)$

Have a look what the booklet for
Yxy(20.8312, 0.3777, 0.3438)
contains.

Yxy(20.7416, 0.3773, 0.3424)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7416, 0.3773, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	9D746C
RGB	157, 116, 108
RGB Percent	62%, 45%, 42%
CMY	0.3843, 0.5451, 0.5766
CMYK	0.00, 0.26, 0.31, 0.38
HSL	10°, 20%, 52%
HSV	10°, 31%, 62%
XYZ	22.8557, 20.7416, 16.9798
YIQ	127.3470, 27.0040, 6.2040

Conversions

Conversions Part 2

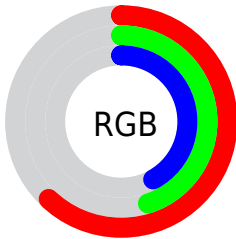
Format	Color
R _Y B	157, 118, 108
Decimal	10318956
CIE Lab	52.67, 14.95, 10.74
CIE LCh	53, 18.409, 35.681
Yxy	20.7416, 0.3773, 0.3424
Android (android.graphics.Color)	4288509036 (0xFF9D746C)
YUV	127.3470, -9.5381, 26.0057
Hunter-Lab	45.5429, 9.8801, 9.7750

Details

The Yxy color **20.7416, 0.3773, 0.3424** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.1067, 0.2675, 0.3151**, and the grayscale version is **21.3755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6546, 0.3634, 0.3402**, and **7.4142, 0.4023, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **17.6219, 0.4071, 0.3468**, and if you desaturate by 10%, it is **24.3513, 0.3523, 0.3379**.

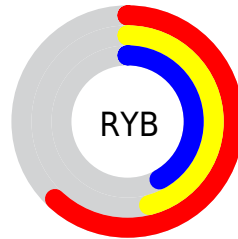
Distribution



Red (62%)

Green (45%)

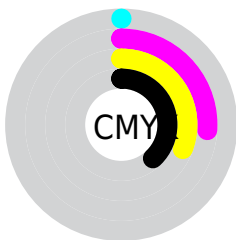
Blue (42%)



Red (62%)

Yellow (46%)

Blue (42%)

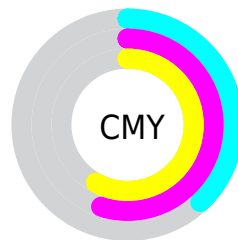


Cyan (0%)

Magenta (26%)

Yellow (31%)

Black (38%)



Cyan (38%)


Magenta (55%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7416, 0.3773, 0.3424 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 20.7416, 0.3773, 0.3424 by changing the saturation by 10% instead.


 20.7416, 0.3773,
0.3424


 20.7416, 0.3773,
0.3424


255.9020, 0.3404,
0.3356


 12.9353, 0.3885,
0.3440

 44.6571, 0.3625,
0.3400

 7.3840, 0.4043,
0.3459


 61.5350, 0.3574,
0.3390

 3.7034, 0.4281,
0.3481

 82.2056, 0.3533,
0.3382

 1.5091, 0.4693,
0.3505

 107.0532, 0.3498,
0.3375

 0.2951, 0.6863,
0.3137

136.4623, 0.3469,
0.3370

 0.0000, 0.0000,
0.0000

170.8172, 0.3444,

0.3364

210.5023, 0.3422,
0.3360

■ 20.7416, 0.3773,
0.3424

■ 20.7416, 0.3773,
0.3424

■ 17.6219, 0.4071,
0.3468

■ 24.3513, 0.3523,
0.3379

■ 14.9680, 0.4421,
0.3508

■ 28.4678, 0.3316,
0.3336

■ 12.7585, 0.4815,
0.3537

■ 33.1107, 0.3146,
0.3295


■ 10.9687, 0.5235,
0.3547


■ 38.2979, 0.3005,
0.3257


■ 9.5716, 0.5642,
0.3533


■ 44.0461, 0.2888,
0.3223

 8.5370, 0.5987,
0.3489

 50.3717, 0.2791,
0.3192

 7.8942, 0.6221,
0.3442

 57.2900, 0.2710,
0.3164

 64.8160, 0.2642,
0.3138

 72.9641, 0.2584,
0.3115

Harmonies

Analogous

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



20.7416, 0.3582, 0.3147



20.7416, 0.3773, 0.3424



20.7416, 0.3778, 0.3685

Triad

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



20.7416, 0.3773, 0.3424



20.7416, 0.2965, 0.3717



20.7416, 0.2656, 0.2744

Complementary

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



20.7416, 0.3773, 0.3424



27.1067, 0.2675, 0.3151

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.



20.7416, 0.2513, 0.2857



20.7416, 0.3773, 0.3424



20.7416, 0.2683, 0.3419

Square

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



20.7416, 0.3773, 0.3424



20.7416, 0.3301, 0.3881



20.7416, 0.2522, 0.3099



20.7416, 0.2927, 0.2767

Rectangle

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



20.7416, 0.3773, 0.3424



20.7416, 0.3678, 0.3816



20.7416, 0.2522, 0.3099



20.7416, 0.2592, 0.2766

Sweetspot

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



20.7426, 0.3773, 0.3424



52.6107, 0.3279, 0.3327



20.0791, 0.3251, 0.2639



11.3381, 0.3304, 0.3333



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.7426, 0.3773, 0.3424



33.4246, 0.3961, 0.3453



26.9603, 0.3660, 0.3800



6.8130, 0.3280, 0.3327



6.4501, 0.6210, 0.3451



0.1585, 0.5642, 0.3903

Inverse Universe

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



27.1067, 0.2675, 0.3151



46.5297, 0.2590, 0.3118



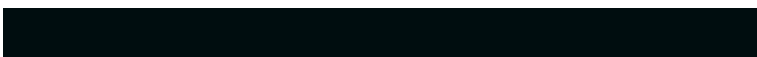
20.3226, 0.2625, 0.2720



7.3244, 0.2988, 0.3252



15.2691, 0.2103, 0.2771



0.3180, 0.2167, 0.2999

Previews

White Background



This preview shows how the Yxy color 20.7416, 0.3773, 0.3424 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 20.7416, 0.3773, 0.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

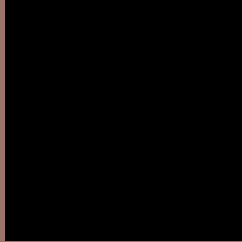
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7416, 0.3773, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 20.7416, 0.3773, 0.3424.



This preview shows how white text looks on a background with the Yxy color 20.7416, 0.3773, 0.3424.

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

20.7416, 0.3773, 0.3424

Protanopia

20.9393, 0.3336, 0.3527

Deuteranopia

20.7560, 0.3605, 0.3534



Tritanopia

20.8356, 0.3607, 0.3146

Trichromacy



Original Color

20.7416, 0.3773, 0.3424

Protanomaly

20.6422, 0.3486, 0.3486

Deuteranomaly

20.6447, 0.3666, 0.3497

Tritanomaly

20.8386, 0.3657, 0.3243

Monochromacy



Original Color

20.7416, 0.3773, 0.3424

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.9253, 0.3348, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7416, 0.3773, 0.3424 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(157, 116, 108)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 116, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 116, 108) }
```

Border

The CSS property to change the border of an element to Yxy 20.7416, 0.3773, 0.3424 is called "border". The border property can be set on classes, ids or directly on the HTML element.

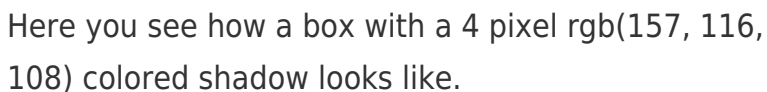
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 116, 108) }
```

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

```
.border{ border-color:rgb(157, 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(157, 116, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 116, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 116, 108);  
box-shadow:4px 4px 4px 4px rgb(157, 116,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7416, 0.3773, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 116, 108) }
```

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

```
.background{ background-color: rgb(157,  
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](#).

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