

Converting Colors

$Y_{xy}(12.1545, 0.3763, 0.3522)$

Have a look what the booklet for
Yxy(12.1545, 0.3763, 0.3522)
contains.

Yxy(12.2414, 0.3757, 0.3522)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2414, 0.3757, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	785C51
RGB	120, 92, 81
RGB Percent	47%, 36%, 32%
CMY	0.5294, 0.6392, 0.6824
CMYK	0.00, 0.23, 0.33, 0.53
HSL	17°, 19%, 39%
HSV	17°, 33%, 47%
XYZ	13.0582, 12.2414, 9.4574
YIQ	99.1180, 20.2190, 2.5150

Conversions

Conversions Part 2

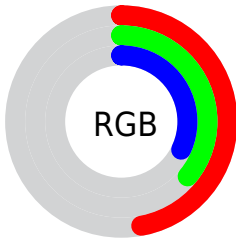
Format	Color
RYB	120, 96, 81
Decimal	7887953
CIELab	41.60, 9.74, 10.73
CIELCh	42, 14.490, 47.791
Yxy	12.2414, 0.3757, 0.3522
Android (android.graphics.Color)	4286078033 (0xFF785C51)
YUV	99.1180, -8.9322, 18.3135
Hunter-Lab	34.9877, 5.3917, 8.4650

Details

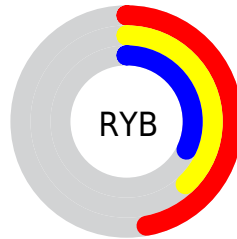
The Yxy color **12.2414, 0.3757, 0.3522** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.0410, 0.2656, 0.3044**, and the grayscale version is **12.5280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8419, 0.3596, 0.3469**, and **3.3835, 0.4098, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **10.6691, 0.4025, 0.3596**, and if you desaturate by 10%, it is **14.0164, 0.3526, 0.3447**.

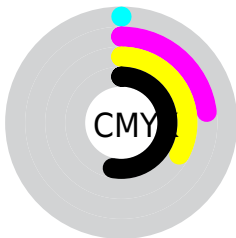
Distribution



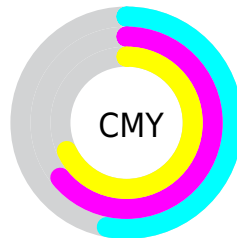
- Red (47%)
- Green (36%)
- Blue (32%)



- Red (47%)
- Yellow (38%)
- Blue (32%)



- Cyan (0%)
- Magenta (23%)
- Yellow (33%)
- Black (53%)




- Cyan (53%)
- Magenta (64%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2414, 0.3757, 0.3522 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 12.2414, 0.3757, 0.3522 by changing the saturation by 10% instead.


 12.2414, 0.3757,
0.3522

 12.2414, 0.3757,
0.3522


205.9969, 0.3370,
0.3388


 6.9083, 0.3891,
0.3562


 29.9340, 0.3593,
0.3468


 3.4048, 0.4095,
0.3617

 43.0623, 0.3539,
0.3450


 1.3466, 0.4483,
0.3725

 59.5578, 0.3496,
0.3435

 0.1768, 0.6965,
0.3035

 79.8049, 0.3462,
0.3422

 0.0000, 0.0000,
0.0000

 104.1879, 0.3433,
0.3412

133.0914, 0.3409,

0.3403

166.8996, 0.3388,
0.3395

■ 12.2414, 0.3757,
0.3522

■ 12.2414, 0.3757,
0.3522

■ 10.6691, 0.4025,
0.3596

■ 14.0164, 0.3526,
0.3447

■ 9.2904, 0.4332,
0.3663

■ 15.9994, 0.3330,
0.3375

■ 8.0981, 0.4672,
0.3717

■ 18.1974, 0.3165,
0.3306

■ 7.0838, 0.5033,
0.3748

■ 20.6168, 0.3024,
0.3243

■ 6.2386, 0.5390,
0.3746

■ 23.2637, 0.2905,
0.3184

■ 5.5524, 0.5712,
0.3703

■ 26.1438, 0.2805,
0.3131

■ 5.1299, 0.5940,
0.3665

■ 29.2627, 0.2718,
0.3082

■ 32.6259, 0.2645,
0.3037

■ 36.2385, 0.2581,
0.2996

Harmonies

Analogous

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



12.2414, 0.3644, 0.3260



12.2414, 0.3757, 0.3522



12.2414, 0.3690, 0.3742

Triad

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



12.2414, 0.3757, 0.3522



12.2414, 0.2858, 0.3587



12.2414, 0.2776, 0.2769

Complementary

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



12.2414, 0.3757, 0.3522



14.0410, 0.2656, 0.3044

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.



12.2414, 0.2587, 0.2825



12.2414, 0.3757, 0.3522



12.2414, 0.2632, 0.3288

Square

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



12.2414, 0.3757, 0.3522



12.2414, 0.3163, 0.3800



12.2414, 0.2536, 0.3008



12.2414, 0.3065, 0.2840

Rectangle

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



12.2414, 0.3757, 0.3522



12.2414, 0.3556, 0.3832



12.2414, 0.2536, 0.3008



12.2414, 0.2699, 0.2773

Sweetspot

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



12.2420, 0.3757, 0.3522



28.9798, 0.3290, 0.3359



10.9941, 0.3327, 0.2713



6.7671, 0.3310, 0.3367



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.2420, 0.3757, 0.3522



19.4371, 0.3953, 0.3577



15.9346, 0.3643, 0.3895



4.1823, 0.3271, 0.3351



5.5739, 0.5948, 0.3660



25.3178, 0.6036, 0.3589

Inverse Universe

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



14.0410, 0.2656, 0.3044



23.1121, 0.2554, 0.2978



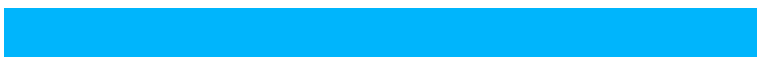
10.4334, 0.2604, 0.2601



4.3303, 0.2994, 0.3228



8.7388, 0.1994, 0.2378



40.1864, 0.1979, 0.2325

Previews

White Background



This preview shows how the Yxy color 12.2414, 0.3757, 0.3522 looks on a white 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

Black Background



This preview shows how the Yxy color 12.2414, 0.3757, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

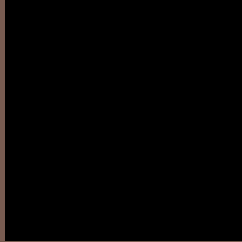
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2414, 0.3757, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 12.2414, 0.3757, 0.3522.

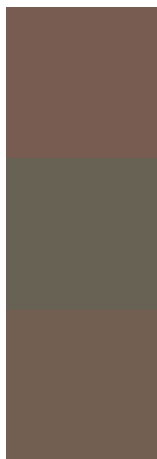


This preview shows how white text looks on a background with the Yxy color 12.2414, 0.3757, 0.3522.

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

12.2414, 0.3757, 0.3522

Protanopia

12.2590, 0.3404, 0.3609

Deuteranopia

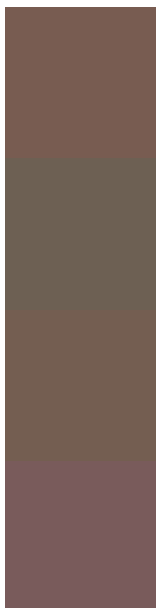
12.3559, 0.3640, 0.3594



Tritanopia

12.3130, 0.3539, 0.3148

Trichromacy



Original Color

12.2414, 0.3757, 0.3522

Protanomaly

12.2415, 0.3523, 0.3579

Deuteranomaly

12.3125, 0.3679, 0.3569

Tritanomaly

12.3024, 0.3616, 0.3291

Monochromacy



Original Color

12.2414, 0.3757, 0.3522

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2642, 0.3355, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2414, 0.3757, 0.3522 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(120, 92, 81)` looks like.

```
.text, #text, p{  
  color:rgb(120, 92, 81)  
}
```

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(120, 92, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 92, 81) }
```

Border

The CSS property to change the border of an element to Yxy 12.2414, 0.3757, 0.3522 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(120, 92, 81) }
```

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

```
.border{ border-color:rgb(120, 92, 81) }
```

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

Here you see how a box with a 4 pixel rgb(120, 92, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 92, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 92, 81);  
box-shadow:4px 4px 4px 4px rgb(120, 92,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2414, 0.3757, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 92, 81) }
```

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

```
.background{ background-color: rgb(120, 92,  
81) }
```

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