

Converting Colors

$Y_{xy}(12.4151, 0.3732, 0.3677)$

Have a look what the booklet for
Yxy(12.4151, 0.3732, 0.3677)
contains.

Yxy(12.4332, 0.3735, 0.3676)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4332, 0.3735, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	745F4D
RGB	116, 95, 77
RGB Percent	45%, 37%, 30%
CMY	0.5452, 0.6274, 0.6980
CMYK	0.00, 0.18, 0.34, 0.55
HSL	28°, 20%, 38%
HSV	28°, 34%, 45%
XYZ	12.6328, 12.4332, 8.7567
YIQ	99.2270, 18.2940, -1.1460

Conversions

Conversions Part 2

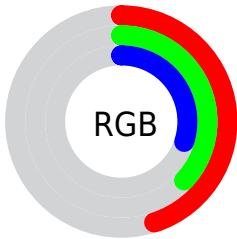
Format	Color
R_{YB}	116, 110, 77
Decimal	7626573
CIE Lab	41.90, 5.61, 13.49
CIE LCh	42, 14.613, 67.415
Yxy	12.4332, 0.3735, 0.3676
Android (android.graphics.Color)	4285816653 (0xFF745F4D)
YUV	99.2270, -10.9579, 14.7099
Hunter-Lab	35.2607, 2.2443, 9.9584

Details

The Yxy color **12.4332, 0.3735, 0.3676** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.5709, 0.2622, 0.2868**, and the grayscale version is **12.5624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1922, 0.3584, 0.3577**, and **3.4997, 0.4049, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **11.2043, 0.3968, 0.3794**, and if you desaturate by 10%, it is **13.7826, 0.3526, 0.3557**.

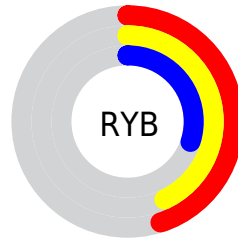
Distribution



Red (45%)

Green (37%)

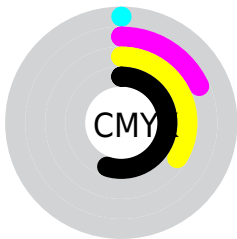
Blue (30%)



Red (45%)

Yellow (43%)

Blue (30%)

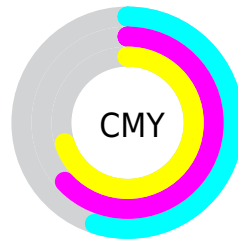


Cyan (0%)

Magenta (18%)

Yellow (34%)

Black (55%)



Cyan (55%)


Magenta (63%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4332, 0.3735, 0.3676 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 12.4332, 0.3735, 0.3676 by changing the saturation by 10% instead.


 12.4332, 0.3735,
0.3676


 12.4332, 0.3735,
0.3676


207.2525, 0.3364,
0.3447


 7.0394, 0.3861,
0.3749


 30.2817, 0.3579,
0.3582


 3.4868, 0.4052,
0.3852

 43.5052, 0.3527,
0.3551


 1.3908, 0.4462,
0.4094

 60.1073, 0.3486,
0.3525

 0.2100, 0.6158,
0.3842

 80.4726, 0.3452,
0.3504

 0.0000, 0.0000,
0.0000

 104.9854, 0.3425,
0.3486

134.0300, 0.3401,

0.3471

167.9909, 0.3381,
0.3459

■ 12.4332, 0.3735,
0.3676

■ 12.4332, 0.3735,
0.3676

■ 11.2043, 0.3968,
0.3794

■ 13.7826, 0.3526,
0.3557

■ 10.0905, 0.4224,
0.3904

■ 15.2543, 0.3342,
0.3440

■ 9.0886, 0.4497,
0.3997

■ 16.8520, 0.3180,
0.3329

■ 8.1943, 0.4776,
0.4062

■ 18.5791, 0.3039,
0.3224

■ 7.4032, 0.5048,
0.4089

■ 20.4385, 0.2916,
0.3127

■ 6.7099, 0.5295,
0.4069

■ 22.4332, 0.2809,
0.3037

■ 6.3099, 0.5456,
0.4050

■ 24.5660, 0.2716,
0.2955

■ 26.8397, 0.2634,
0.2880

■ 29.2569, 0.2563,
0.2810

Harmonies

Analogous

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



12.4332, 0.3740, 0.3433



12.4332, 0.3735, 0.3676



12.4332, 0.3561, 0.3833

Triad

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



12.4332, 0.3735, 0.3676



12.4332, 0.2696, 0.3394



12.4332, 0.2957, 0.2801

Complementary

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



12.4332, 0.3735, 0.3676



11.5709, 0.2622, 0.2868

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.



12.4332, 0.2695, 0.2772



12.4332, 0.3735, 0.3676



12.4332, 0.2551, 0.3096

Square

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



12.4332, 0.3735, 0.3676



12.4332, 0.2958, 0.3677



12.4332, 0.2551, 0.2873



12.4332, 0.3278, 0.2945

Rectangle

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



12.4332, 0.3735, 0.3676



12.4332, 0.3377, 0.3857



12.4332, 0.2551, 0.2873



12.4332, 0.2859, 0.2778

Sweetspot

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



12.4338, 0.3735, 0.3676



27.7388, 0.3285, 0.3402



9.9111, 0.3458, 0.2837



6.5442, 0.3304, 0.3414



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.4338, 0.3735, 0.3676



20.2414, 0.3906, 0.3764



16.2902, 0.3618, 0.4047



3.9537, 0.3265, 0.3388



7.0467, 0.5464, 0.4043



32.6615, 0.5548, 0.3977

Inverse Universe

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



11.5709, 0.2622, 0.2868



18.4846, 0.2510, 0.2757



8.4245, 0.2566, 0.2400



3.8859, 0.2995, 0.3190



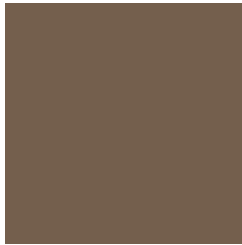
5.2964, 0.1823, 0.1762



24.0808, 0.1799, 0.1677

Previews

White Background



This preview shows how the Yxy color 12.4332, 0.3735, 0.3676 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 12.4332, 0.3735, 0.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

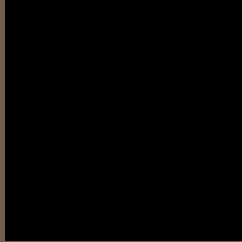
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4332, 0.3735, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 12.4332, 0.3735, 0.3676.



This preview shows how white text looks on a background with the Yxy color 12.4332, 0.3735, 0.3676.

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

12.4332, 0.3735, 0.3676

Protanopia

12.4915, 0.3505, 0.3742

Deuteranopia

12.4332, 0.3735, 0.3676



Tritanopia

12.4067, 0.3436, 0.3146

Trichromacy



Original Color

12.4332, 0.3735, 0.3676

Protanomaly

12.5366, 0.3588, 0.3734

Deuteranomaly

12.4332, 0.3735, 0.3676

Tritanomaly

12.3659, 0.3542, 0.3333

Monochromacy



Original Color

12.4332, 0.3735, 0.3676

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4940, 0.3333, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4332, 0.3735, 0.3676 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(116, 95, 77)` looks like.

```
.text, #text, p{  
    color:rgb(116, 95, 77)  
}
```

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(116, 95, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 95, 77) }
```

Border

The CSS property to change the border of an element to Yxy 12.4332, 0.3735, 0.3676 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(116, 95, 77) }
```

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

```
.border{ border-color:rgb(116, 95, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 95, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 95, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 95, 77);  
box-shadow:4px 4px 4px 4px rgb(116, 95,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4332, 0.3735, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 95, 77) }
```

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

```
.background{ background-color: rgb(116, 95,  
77) }
```

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