

Converting Colors

$Y_{xy}(10.7312, 0.3465, 0.3501)$

Have a look what the booklet for
Yxy(10.7312, 0.3465, 0.3501)
contains.

Yxy(10.7312, 0.3465, 0.3501)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7312, 0.3465, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	665A51
RGB	102, 90, 81
RGB Percent	40%, 35%, 32%
CMY	0.6000, 0.6470, 0.6823
CMYK	0.00, 0.12, 0.21, 0.60
HSL	26°, 11%, 36%
HSV	26°, 21%, 40%
XYZ	10.6209, 10.7312, 9.2998
YIQ	92.5620, 10.0410, -0.2550

Conversions

Conversions Part 2

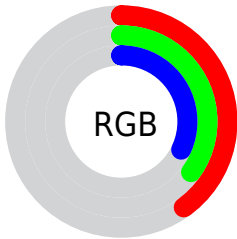
Format	Color
R_{YB}	102, 97, 81
Decimal	6707793
CIE Lab	39.12, 3.23, 6.96
CIE LCh	39, 7.675, 65.140
Yxy	10.7312, 0.3465, 0.3501
Android (android.graphics.Color)	4284897873 (0xFF665A51)
YUV	92.5620, -5.7001, 8.2771
Hunter-Lab	32.7585, 0.5453, 6.0992

Details

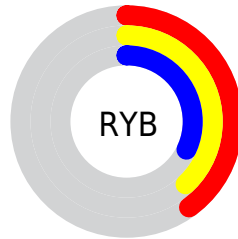
The Yxy color **10.7312, 0.3465, 0.3501** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.5397, 0.2827, 0.3069**, and the grayscale version is **10.8512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1402, 0.3375, 0.3451**, and **2.7410, 0.3684, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **9.6445, 0.3666, 0.3610**, and if you desaturate by 10%, it is **11.9190, 0.3289, 0.3395**.

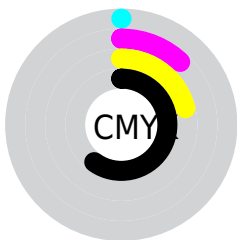
Distribution



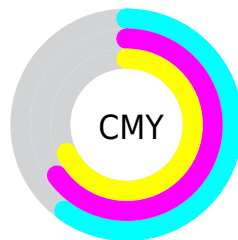
- Red (40%)
- Green (35%)
- Blue (32%)



- Red (40%)
- Yellow (38%)
- Blue (32%)



- Cyan (0%)
- Magenta (12%)
- Yellow (21%)
- Black (60%)



- Cyan (60%)
- Magenta (65%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7312, 0.3465, 0.3501 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 10.7312, 0.3465, 0.3501 by changing the saturation by 10% instead.

■ 10.7312, 0.3465,
0.3501

■ 10.7312, 0.3465,
0.3501

■ 195.8140, 0.3255,
0.3372

■ 5.8864, 0.3540,
0.3546

■ 27.1620, 0.3375,
0.3446

■ 2.7761, 0.3659,
0.3614

■ 39.5168, 0.3345,
0.3428

■ 1.0160, 0.3930,
0.3786

■ 55.1438, 0.3322,
0.3414

■ 0.0000, 0.0000,
0.0000

■ 74.4272, 0.3304,
0.3403

■ 97.7516, 0.3288,
0.3393

125.5012, 0.3275,

0.3385

158.0606, 0.3264,
0.3378

■ 10.7312, 0.3465,
0.3501

■ 10.7312, 0.3465,
0.3501

■ 9.6445, 0.3666,
0.3610

■ 11.9190, 0.3289,
0.3395

■ 8.6548, 0.3893,
0.3719

■ 13.2091, 0.3135,
0.3295

■ 7.7595, 0.4146,
0.3824

■ 14.6047, 0.3002,
0.3202

■ 6.9556, 0.4421,
0.3915

■ 16.1081, 0.2886,
0.3115

■ 6.2398, 0.4709,
0.3985

■ 17.7216, 0.2785,
0.3036

■ 5.6086, 0.4998,
0.4021

■ 19.4477, 0.2697,
0.2962

■ 5.0580, 0.5269,
0.4015

■ 21.2886, 0.2621,
0.2895

■ 4.6026, 0.5526,
0.3994

■ 23.2463, 0.2553,
0.2833

■ 25.3230, 0.2494,
0.2777

Harmonies

Analogous

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



10.7312, 0.3459, 0.3365



10.7312, 0.3465, 0.3501



10.7312, 0.3379, 0.3586

Triad

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



10.7312, 0.3465, 0.3501



10.7312, 0.2897, 0.3362



10.7312, 0.3022, 0.3009

Complementary

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



10.7312, 0.3465, 0.3501



10.5397, 0.2827, 0.3069

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.



10.7312, 0.2877, 0.3001



10.7312, 0.3465, 0.3501



10.7312, 0.2807, 0.3200

Square

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



10.7312, 0.3465, 0.3501



10.7312, 0.3049, 0.3508



10.7312, 0.2800, 0.3069



10.7312, 0.3199, 0.3086

Rectangle

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



10.7312, 0.3465, 0.3501



10.7312, 0.3281, 0.3598



10.7312, 0.2800, 0.3069



10.7312, 0.2968, 0.2998

Sweetspot

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



10.7317, 0.3465, 0.3501



21.8775, 0.3219, 0.3351



9.5069, 0.3292, 0.3007



5.1399, 0.3225, 0.3355



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.7317, 0.3465, 0.3501



17.8192, 0.3565, 0.3557



12.5803, 0.3423, 0.3729



3.0211, 0.3262, 0.3379



5.8373, 0.5548, 0.3977



28.7751, 0.5644, 0.3901

Inverse Universe

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



10.5397, 0.2827, 0.3069



17.4119, 0.2750, 0.3007



8.8603, 0.2812, 0.2809



2.9988, 0.2999, 0.3200



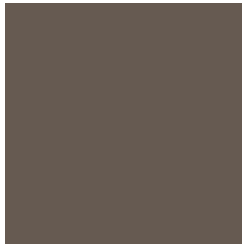
5.0817, 0.1857, 0.1886



24.7421, 0.1833, 0.1798

Previews

White Background



This preview shows how the Yxy color 10.7312, 0.3465, 0.3501 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 10.7312, 0.3465, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

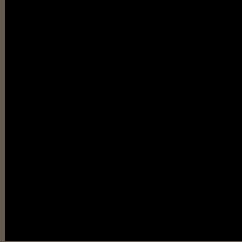
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7312, 0.3465, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 10.7312, 0.3465, 0.3501.



This preview shows how white text looks on a background with the Yxy color 10.7312, 0.3465, 0.3501.

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

10.7312, 0.3465, 0.3501

Protanopia

10.7503, 0.3342, 0.3531

Deuteranopia

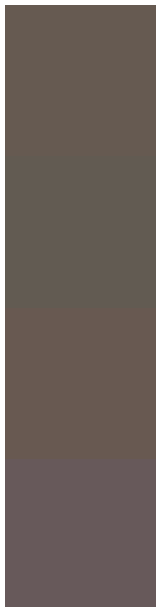
10.7421, 0.3521, 0.3475



Tritanopia

10.7487, 0.3282, 0.3132

Trichromacy



Original Color

10.7312, 0.3465, 0.3501

Protanomaly

10.6880, 0.3378, 0.3505

Deuteranomaly

10.6819, 0.3504, 0.3476

Tritanomaly

10.7665, 0.3342, 0.3268

Monochromacy



Original Color

10.7312, 0.3465, 0.3501

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8624, 0.3235, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7312, 0.3465, 0.3501 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(102, 90, 81)` looks like.

```
.text, #text, p{  
    color:rgb(102, 90, 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(102, 90, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 90, 81) }
```

Border

The CSS property to change the border of an element to Yxy 10.7312, 0.3465, 0.3501 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(102, 90, 81) }
```

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

```
.border{ border-color:rgb(102, 90, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 90, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 90, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 90, 81);  
box-shadow:4px 4px 4px 4px rgb(102, 90,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7312, 0.3465, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 90, 81) }
```

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

```
.background{ background-color: rgb(102, 90,  
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