

Converting Colors

$Y_{xy}(10.8219, 0.3204, 0.3198)$

Have a look what the booklet for
Yxy(10.8219, 0.3204, 0.3198)
contains.

Yxy(10.7731, 0.3212, 0.3197)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7731, 0.3212, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	635A5E
RGB	99, 90, 94
RGB Percent	39%, 35%, 37%
CMY	0.6117, 0.6471, 0.6313
CMYK	0.00, 0.09, 0.05, 0.61
HSL	333°, 5%, 37%
HSV	333°, 9%, 39%
XYZ	10.8236, 10.7731, 12.1008
YIQ	93.1470, 4.0800, 3.1520

Conversions

Conversions Part 2

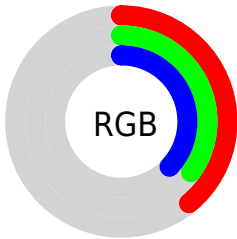
Format	Color
RYB	99, 90, 94
Decimal	6511198
CIELab	39.20, 4.44, -0.99
CIELCh	39, 4.550, 347.406
Yxy	10.7731, 0.3212, 0.3197
Android (android.graphics.Color)	4284701278 (0xFF635A5E)
YUV	93.1470, 0.4205, 5.1331
Hunter-Lab	32.8224, 1.4237, 1.1170

Details

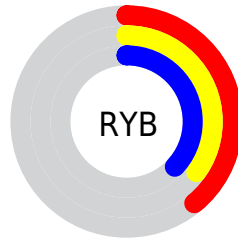
The Yxy color **10.7731, 0.3212, 0.3197** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9263, 0.3050, 0.3385**, and the grayscale version is **10.9814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2538, 0.3195, 0.3227**, and **2.7448, 0.3250, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **9.1179, 0.3323, 0.3090**, and if you desaturate by 10%, it is **12.6588, 0.3120, 0.3299**.

Distribution



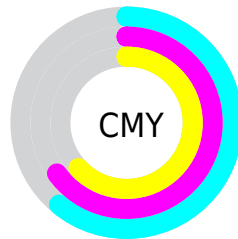
- Red (39%)
- Green (35%)
- Blue (37%)



- Red (39%)
- Yellow (35%)
- Blue (37%)



- Cyan (0%)
- Magenta (9%)
- Yellow (5%)
- Black (61%)



- Cyan (61%)
- Magenta (65%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7731, 0.3212, 0.3197 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 10.7731, 0.3212, 0.3197 by changing the saturation by 10% instead.

■ 10.7731, 0.3212,
0.3197

■ 10.7731, 0.3212,
0.3197

■ 196.1042, 0.3160,
0.3254

■ 5.9145, 0.3231,
0.3177

■ 27.2398, 0.3190,
0.3222

■ 2.7931, 0.3260,
0.3145

■ 39.6167, 0.3182,
0.3230

■ 1.0247, 0.3311,
0.3089

■ 55.2685, 0.3177,
0.3236

■ 0.0000, 1.0000,
0.0000

■ 74.5795, 0.3172,
0.3241

■ 0.0000, 0.0000,
0.0000

■ 97.9342, 0.3168,
0.3245

125.7169, 0.3165,

0.3249

158.3121, 0.3162,
0.3252

■ 10.7731, 0.3212,
0.3197

■ 10.7731, 0.3212,
0.3197

■ 9.1179, 0.3323,
0.3090

■ 12.6588, 0.3120,
0.3299

■ 7.6829, 0.3455,
0.2978

■ 14.7821, 0.3043,
0.3394

■ 6.4591, 0.3611,
0.2867

■ 17.1513, 0.2978,
0.3482

■ 5.4365, 0.3794,
0.2759

■ 19.7740, 0.2925,
0.3564

■ 4.6039, 0.4004,
0.2663

■ 22.6575, 0.2880,
0.3639

■ 3.9494, 0.4240,
0.2588

■ 25.8088, 0.2843,
0.3708

■ 3.4594, 0.4494,
0.2544

■ 29.2346, 0.2811,
0.3771

■ 3.1186, 0.4758,
0.2540

■ 32.9414, 0.2785,
0.3829

■ 2.8587, 0.5031,
0.2558

■ 36.9353, 0.2763,
0.3882

Harmonies

Analogous

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



10.7731, 0.3108, 0.3136



10.7731, 0.3212, 0.3197



10.7731, 0.3294, 0.3283

Triad

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



10.7731, 0.3212, 0.3197



10.7731, 0.3243, 0.3471



10.7731, 0.2928, 0.3203

Complementary

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



10.7731, 0.3212, 0.3197



11.9263, 0.3050, 0.3385

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.



10.7731, 0.2963, 0.3294



10.7731, 0.3212, 0.3197



10.7731, 0.3144, 0.3451

Square

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



10.7731, 0.3212, 0.3197



10.7731, 0.3312, 0.3441



10.7731, 0.3041, 0.3386



10.7731, 0.2945, 0.3138

Rectangle

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



10.7731, 0.3212, 0.3197



10.7731, 0.3325, 0.3343



10.7731, 0.3041, 0.3386



10.7731, 0.2934, 0.3232

Sweetspot

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



10.7736, 0.3212, 0.3197



20.3748, 0.3154, 0.3259



10.6435, 0.3073, 0.3079



4.7920, 0.3160, 0.3252



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.7736, 0.3212, 0.3197



17.8162, 0.3235, 0.3174



10.7797, 0.3272, 0.3301



2.6068, 0.3209, 0.3200



3.6876, 0.5090, 0.2577



19.5273, 0.5230, 0.2655

Inverse Universe

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



10.7736, 0.3212, 0.3197



17.8162, 0.3235, 0.3174



11.9160, 0.2997, 0.3279



2.6068, 0.3209, 0.3200



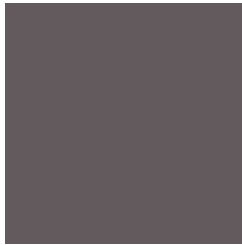
3.6876, 0.5090, 0.2577



19.5273, 0.5230, 0.2655

Previews

White Background



This preview shows how the Yxy color 10.7731, 0.3212, 0.3197 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 10.7731, 0.3212, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

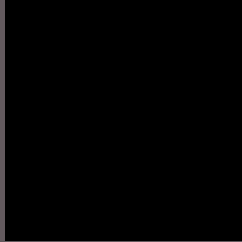
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7731, 0.3212, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 10.7731, 0.3212, 0.3197.



This preview shows how white text looks on a background with the Yxy color 10.7731, 0.3212, 0.3197.

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

10.7731, 0.3212, 0.3197

Protanopia

10.8077, 0.3099, 0.3219

Deuteranopia

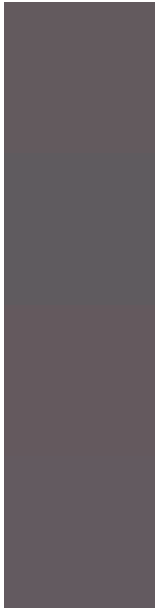
10.6622, 0.3230, 0.3175



Tritanopia

10.8280, 0.3167, 0.3129

Trichromacy



Original Color

10.7731, 0.3212, 0.3197

Protanomaly

10.7413, 0.3132, 0.3196

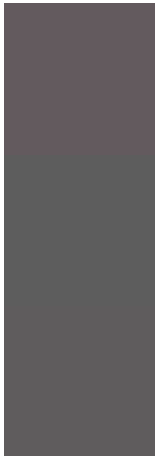
Deuteranomaly

10.6622, 0.3230, 0.3175

Tritanomaly

10.8095, 0.3182, 0.3151

Monochromacy



Original Color

10.7731, 0.3212, 0.3197

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8775, 0.3160, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7731, 0.3212, 0.3197 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(99, 90, 94) looks like.

```
.text, #text, p{  
    color:rgb(99, 90, 94)  
}
```

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(99, 90, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 90, 94) }
```

Border

The CSS property to change the border of an element to Yxy 10.7731, 0.3212, 0.3197 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(99, 90, 94) }
```

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

```
.border{ border-color:rgb(99, 90, 94) }
```

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

Here you see how a box with a 4 pixel rgb(99, 90, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 90, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 90, 94);  
box-shadow:4px 4px 4px 4px rgb(99, 90, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7731, 0.3212, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 90, 94) }
```

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

```
.background{ background-color: rgb(99, 90,  
94) }
```

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