

Converting Colors

$Y_{xy}(13.9666, 0.3198, 0.3725)$

Have a look what the booklet for
Yxy(13.9666, 0.3198, 0.3725)
contains.

Yxy(13.9332, 0.3203, 0.3722)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9332, 0.3203, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	606C59
RGB	96, 108, 89
RGB Percent	38%, 42%, 35%
CMY	0.6235, 0.5765, 0.6509
CMYK	0.11, 0.00, 0.18, 0.58
HSL	98°, 10%, 39%
HSV	98°, 18%, 42%
XYZ	11.9903, 13.9332, 11.5112
YIQ	102.2460, -1.0530, -8.4530

Conversions

Conversions Part 2

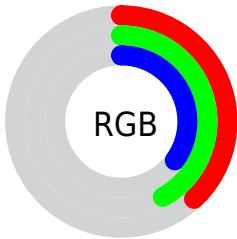
Format	Color
RYP	89, 108, 101
Decimal	6319193
CIE Lab	44.14, -8.45, 9.12
CIE LCh	44, 12.426, 132.817
Yxy	13.9332, 0.3203, 0.3722
Android (android.graphics.Color)	4284509273 (0xFF606C59)
YUV	102.2460, -6.5303, -5.4777
Hunter-Lab	37.3272, -7.9844, 7.8449

Details

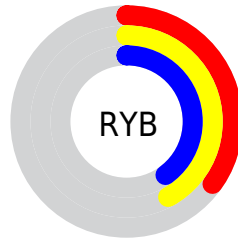
The Yxy color **13.9332, 0.3203, 0.3722** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.9968, 0.3038, 0.2868**, and the grayscale version is **13.3731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8634, 0.3190, 0.3604**, and **4.1900, 0.3250, 0.3981** is the 20% darker color. If you saturate the color by 10%, you get **13.4112, 0.3243, 0.3997**, and if you desaturate by 10%, it is **14.5151, 0.3160, 0.3468**.

Distribution



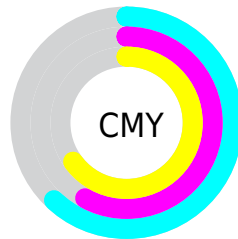
- Red (38%)
- Green (42%)
- Blue (35%)



- Red (35%)
- Yellow (42%)
- Blue (40%)



- Cyan (11%)
- Magenta (0%)
- Yellow (18%)
- Black (58%)





- Cyan (62%)
- Magenta (58%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9332, 0.3203, 0.3722 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 13.9332, 0.3203, 0.3722 by changing the saturation by 10% instead.


 13.9332, 0.3203,
0.3722


 13.9332, 0.3203,
0.3722

216.8149, 0.3160,
0.3458


 8.0742, 0.3215,
0.3813


 32.9705, 0.3186,
0.3611


 4.1425, 0.3232,
0.3951

 46.9175, 0.3180,
0.3574

 1.7536, 0.3254,
0.4189

 64.3294, 0.3175,
0.3545

 0.4580, 0.3335,
0.6665

 85.5905, 0.3171,
0.3521

 0.0000, 0.0000,
0.0000

 111.0852, 0.3168,
0.3501

141.1979, 0.3165,

0.3485

176.3130, 0.3162,
0.3471

■ 13.9332, 0.3203,
0.3722

■ 13.9332, 0.3203,
0.3722

■ 13.4112, 0.3243,
0.3997

■ 14.5151, 0.3160,
0.3468

■ 12.9454, 0.3278,
0.4287

■ 15.1571, 0.3117,
0.3236

■ 12.5344, 0.3306,
0.4586

■ 15.8614, 0.3073,
0.3027

■ 12.1758, 0.3322,
0.4882

■ 16.6299, 0.3031,
0.2840

■ 11.8673, 0.3325,
0.5162

■ 17.4641, 0.2991,
0.2673

■ 11.6062, 0.3313,
0.5409

■ 18.3657, 0.2953,
0.2524

■ 11.3897, 0.3285,
0.5611

■ 19.3360, 0.2918,
0.2393

■ 11.2111, 0.3247,
0.5771

■ 20.3767, 0.2884,
0.2276

■ 11.1718, 0.3239,
0.5810

■ 21.4891, 0.2853,
0.2172

Harmonies

Analogous

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



13.9332, 0.3447, 0.3745



13.9332, 0.3203, 0.3722



13.9332, 0.2946, 0.3568

Triad

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



13.9332, 0.3203, 0.3722



13.9332, 0.2664, 0.2926



13.9332, 0.3523, 0.3232

Complementary

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



13.9332, 0.3203, 0.3722



10.9968, 0.3038, 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.



13.9332, 0.3299, 0.3034



13.9332, 0.3203, 0.3722



13.9332, 0.2805, 0.2859

Square

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



13.9332, 0.3203, 0.3722



13.9332, 0.2642, 0.3095



13.9332, 0.3035, 0.2900



13.9332, 0.3638, 0.3450

Rectangle

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



13.9332, 0.3203, 0.3722



13.9332, 0.2801, 0.3415



13.9332, 0.3035, 0.2900



13.9332, 0.3457, 0.3161

Sweetspot

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



13.9338, 0.3203, 0.3722



25.7485, 0.3150, 0.3409



13.1631, 0.3400, 0.3547



6.2182, 0.3152, 0.3422



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.9338, 0.3203, 0.3722



24.0841, 0.3219, 0.3829



13.6090, 0.3079, 0.3681



3.4940, 0.3166, 0.3501



13.3104, 0.3233, 0.5815



67.3649, 0.3195, 0.5845

Inverse Universe

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



10.9968, 0.3038, 0.2868



17.9244, 0.3014, 0.2766



11.3712, 0.3179, 0.2928



3.1109, 0.3085, 0.3081



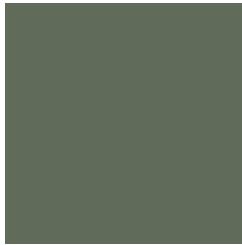
2.7514, 0.2336, 0.1060



13.5147, 0.2288, 0.1034

Previews

White Background



This preview shows how the Yxy color 13.9332, 0.3203, 0.3722 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 13.9332, 0.3203, 0.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

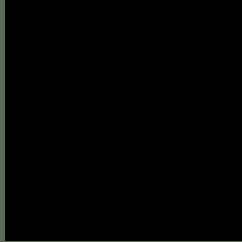
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

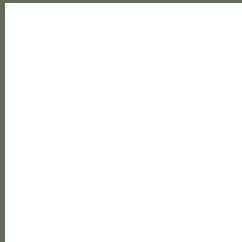
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.9332, 0.3203, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 13.9332, 0.3203, 0.3722.

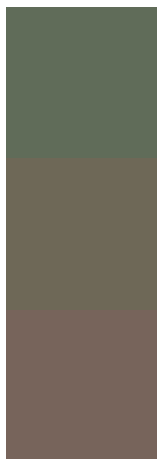


This preview shows how white text looks on a background with the Yxy color 13.9332, 0.3203, 0.3722.

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

13.9332, 0.3203, 0.3722

Protanopia

13.9037, 0.3446, 0.3657

Deuteranopia

13.7916, 0.3543, 0.3477



Tritanopia

14.0047, 0.2958, 0.3118

Trichromacy



Original Color

13.9332, 0.3203, 0.3722

Protanomaly

13.8110, 0.3354, 0.3665

Deuteranomaly

13.8182, 0.3423, 0.3570

Tritanomaly

13.9602, 0.3056, 0.3334

Monochromacy



Original Color

13.9332, 0.3203, 0.3722

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.4730, 0.3162, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9332, 0.3203, 0.3722 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(96, 108, 89) looks like.

```
.text, #text, p{  
    color:rgb(96, 108, 89)  
}
```

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(96, 108, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 108, 89) }
```

Border

The CSS property to change the border of an element to Yxy 13.9332, 0.3203, 0.3722 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(96, 108, 89) }
```

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

```
.border{ border-color:rgb(96, 108, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 108, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 108, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 108, 89);  
box-shadow:4px 4px 4px 4px rgb(96, 108,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9332, 0.3203, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 108, 89) }
```

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

```
.background{ background-color: rgb(96, 108,  
89) }
```

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