

Converting Colors

$Y_{xy}(11.8732, 0.3325, 0.3452)$

Have a look what the booklet for
Yxy(11.8732, 0.3325, 0.3452)
contains.

Yxy(11.9118, 0.3321, 0.3450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.9118, 0.3321, 0.3450)

Conversions

Conversions Part 1

Format	Color
Hex	666059
RGB	102, 96, 89
RGB Percent	40%, 38%, 35%
CMY	0.6000, 0.6235, 0.6509
CMYK	0.00, 0.06, 0.13, 0.60
HSL	32°, 7%, 37%
HSV	32°, 13%, 40%
XYZ	11.4664, 11.9118, 11.1488
YIQ	96.9960, 5.8230, -0.9050

Conversions

Conversions Part 2

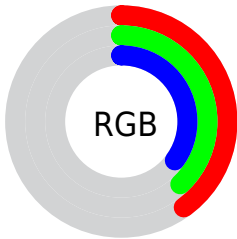
Format	Color
R_{YB}	100, 102, 89
Decimal	6709337
CIE Lab	41.08, 1.04, 4.84
CIE LCh	41, 4.951, 77.840
Yxy	11.9118, 0.3321, 0.3450
Android (android.graphics.Color)	4284899417 (0xFF666059)
YUV	96.9960, -3.9420, 4.3885
Hunter-Lab	34.5135, -1.0956, 5.0072

Details

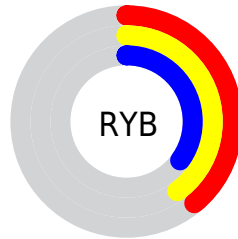
The Yxy color **11.9118, 0.3321, 0.3450** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2718, 0.2942, 0.3125**, and the grayscale version is **11.9624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1942, 0.3270, 0.3401**, and **3.2753, 0.3412, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **10.9178, 0.3495, 0.3583**, and if you desaturate by 10%, it is **12.9822, 0.3166, 0.3323**.

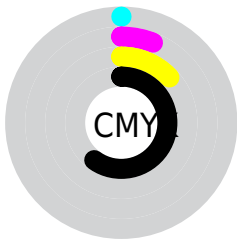
Distribution



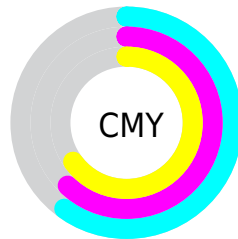
- Red (40%)
- Green (38%)
- Blue (35%)



- Red (39%)
- Yellow (40%)
- Blue (35%)



- Cyan (0%)
- Magenta (6%)
- Yellow (13%)
- Black (60%)



- Cyan (60%)
- Magenta (62%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.9118, 0.3321, 0.3450 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 11.9118, 0.3321, 0.3450 by changing the saturation by 10% instead.

■ 11.9118, 0.3321,
0.3450

■ 11.9118, 0.3321,
0.3450

■ 203.8205, 0.3202,
0.3353

■ 6.6836, 0.3362,
0.3484

■ 29.3344, 0.3271,
0.3409

■ 3.2651, 0.3426,
0.3535

■ 42.2976, 0.3254,
0.3395

■ 1.2716, 0.3537,
0.3623

■ 58.6079, 0.3241,
0.3384

■ 0.1191, 0.5380,
0.4620

■ 78.6498, 0.3230,
0.3376

■ 0.0000, 0.0000,
0.0000

■ 102.8076, 0.3221,
0.3368

131.4657, 0.3214,

0.3362

165.0086, 0.3208,
0.3357

■ 11.9118, 0.3321,
0.3450

■ 11.9118, 0.3321,
0.3450

■ 10.9178, 0.3495,
0.3583

■ 12.9822, 0.3166,
0.3323

■ 9.9968, 0.3688,
0.3718

■ 14.1292, 0.3029,
0.3204

■ 9.1474, 0.3900,
0.3853

■ 15.3552, 0.2908,
0.3093

■ 8.3675, 0.4129,
0.3980

■ 16.6616, 0.2802,
0.2990

■ 7.6548, 0.4369,
0.4091

■ 18.0503, 0.2708,
0.2895

■ 7.0071, 0.4612,
0.4177

■ 19.5226, 0.2625,
0.2808

■ 6.4218, 0.4847,
0.4227

■ 21.0801, 0.2551,
0.2728

■ 5.8956, 0.5062,
0.4235

■ 22.7243, 0.2486,
0.2654

■ 5.5436, 0.5224,
0.4234

■ 24.4565, 0.2428,
0.2587

Harmonies

Analogous

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



11.9118, 0.3342, 0.3377



11.9118, 0.3321, 0.3450



11.9118, 0.3248, 0.3481

Triad

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



11.9118, 0.3321, 0.3450



11.9118, 0.2953, 0.3293



11.9118, 0.3108, 0.3128

Complementary

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



11.9118, 0.3321, 0.3450



11.2718, 0.2942, 0.3125

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.



11.9118, 0.3006, 0.3105



11.9118, 0.3321, 0.3450



11.9118, 0.2917, 0.3197

Square

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



11.9118, 0.3321, 0.3450



11.9118, 0.3035, 0.3390



11.9118, 0.2936, 0.3129



11.9118, 0.3218, 0.3193

Rectangle

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



11.9118, 0.3321, 0.3450



11.9118, 0.3180, 0.3472



11.9118, 0.2936, 0.3129



11.9118, 0.3072, 0.3115

Sweetspot

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



11.9123, 0.3321, 0.3450



22.4988, 0.3187, 0.3340



10.7997, 0.3246, 0.3152



5.2814, 0.3195, 0.3348



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.



11.9123, 0.3321, 0.3450



20.4066, 0.3366, 0.3485



13.0253, 0.3298, 0.3583



3.0671, 0.3260, 0.3401



7.0413, 0.5241, 0.4220



34.9584, 0.5320, 0.4158

Inverse Universe

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



11.2718, 0.2942, 0.3125



19.0695, 0.2902, 0.3087



10.2523, 0.2946, 0.2980



2.9526, 0.2999, 0.3177



3.7822, 0.1757, 0.1526



18.0100, 0.1729, 0.1425

Previews

White Background



This preview shows how the Yxy color 11.9118, 0.3321, 0.3450 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 11.9118, 0.3321, 0.3450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

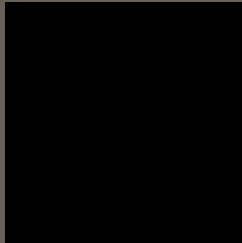
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9118, 0.3321, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 11.9118, 0.3321, 0.3450.



This preview shows how white text looks on a background with the Yxy color 11.9118, 0.3321, 0.3450.

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

11.9118, 0.3321, 0.3450

Protanopia

11.9800, 0.3287, 0.3475

Deuteranopia

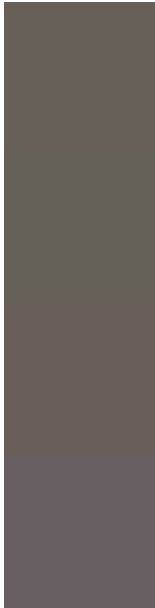
11.8181, 0.3428, 0.3357



Tritanopia

11.9078, 0.3166, 0.3113

Trichromacy



Original Color

11.9118, 0.3321, 0.3450

Protanomaly

12.0374, 0.3303, 0.3474

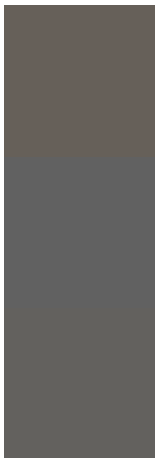
Deuteranomaly

11.8078, 0.3376, 0.3380

Tritanomaly

11.9310, 0.3222, 0.3245

Monochromacy



Original Color

11.9118, 0.3321, 0.3450

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0102, 0.3200, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9118, 0.3321, 0.3450 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, 96, 89)` looks like.

```
.text, #text, p{  
    color:rgb(102, 96, 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(102, 96, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 96, 89) }
```

Border

The CSS property to change the border of an element to Yxy 11.9118, 0.3321, 0.3450 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, 96, 89) }
```

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

```
.border{ border-color:rgb(102, 96, 89) }
```

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

Here you see how a box with a 4 pixel rgb(102, 96, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 96, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 96, 89);  
box-shadow:4px 4px 4px 4px rgb(102, 96,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9118, 0.3321, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 96, 89) }
```

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

```
.background{ background-color: rgb(102, 96,  
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