

Converting Colors

$Y_{xy}(11.9673, 0.3562, 0.3304)$

Have a look what the booklet for
Yxy(11.9673, 0.3562, 0.3304)
contains.

Yxy(12.0023, 0.3567, 0.3312)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.0023, 0.3567, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	755B5A
RGB	117, 91, 90
RGB Percent	46%, 36%, 35%
CMY	0.5410, 0.6432, 0.6470
CMYK	0.00, 0.22, 0.23, 0.54
HSL	2°, 13%, 41%
HSV	2°, 23%, 46%
XYZ	12.9264, 12.0023, 11.3101
YIQ	98.6600, 15.8170, 5.2010

Conversions

Conversions Part 2

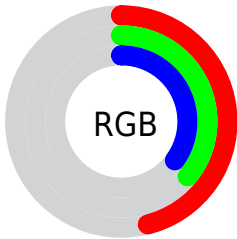
Format	Color
R_{YB}	117, 91, 90
Decimal	7691098
CIE _{Lab}	41.22, 10.49, 4.64
CIE _{LCh}	41, 11.471, 23.856
Yxy	12.0023, 0.3567, 0.3312
Android (android.graphics.Color)	4285881178 (0xFF755B5A)
YUV	98.6600, -4.2694, 16.0842
Hunter-Lab	34.6443, 5.9738, 4.8950

Details

The Yxy color **12.0023, 0.3567, 0.3312** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9628, 0.2801, 0.3268**, and the grayscale version is **12.3964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4893, 0.3457, 0.3306**, and **3.2952, 0.3792, 0.3292** is the 20% darker color. If you saturate the color by 10%, you get **10.0336, 0.3833, 0.3322**, and if you desaturate by 10%, it is **14.2934, 0.3350, 0.3302**.

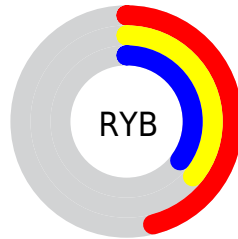
Distribution



Red (46%)

Green (36%)

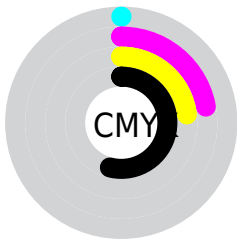
Blue (35%)



Red (46%)

Yellow (36%)

Blue (35%)

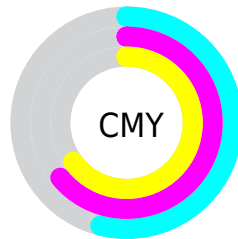


Cyan (0%)

Magenta (22%)

Yellow (23%)

Black (54%)



Cyan (54%)


Magenta (64%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0023, 0.3567, 0.3312 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 12.0023, 0.3567, 0.3312 by changing the saturation by 10% instead.


 12.0023, 0.3567,
0.3312


 12.0023, 0.3567,
0.3312


204.4205, 0.3297,
0.3302


 6.7452, 0.3662,
0.3313


 29.4993, 0.3452,
0.3309


 3.3033, 0.3808,
0.3313

 42.5080, 0.3414,
0.3308


 1.2921, 0.4062,
0.3305

 58.8694, 0.3384,
0.3306

 0.1350, 0.7401,
0.2599

 78.9679, 0.3360,
0.3305

 0.0000, 0.0000,
0.0000

 103.1879, 0.3340,
0.3304

131.9137, 0.3323,

0.3303

165.5298, 0.3309,
0.3303

■ 12.0023, 0.3567,
0.3312

■ 12.0023, 0.3567,
0.3312

■ 10.0336, 0.3833,
0.3322

■ 14.2934, 0.3350,
0.3302

■ 8.3712, 0.4154,
0.3332

■ 16.9187, 0.3175,
0.3293

■ 7.0003, 0.4534,
0.3341

■ 19.8914, 0.3032,
0.3284

■ 5.9041, 0.4962,
0.3347

■ 23.2235, 0.2915,
0.3276

■ 5.0640, 0.5411,
0.3348

■ 26.9266, 0.2820,
0.3269

■ 4.4593, 0.5830,
0.3343

■ 31.0115, 0.2741,
0.3263

■ 4.0658, 0.6160,
0.3332

■ 35.4888, 0.2675,
0.3258

■ 3.8764, 0.6356,
0.3335

■ 40.3684, 0.2620,
0.3252

■ 45.6603, 0.2574,
0.3248

Harmonies

Analogous

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



12.0023, 0.3382, 0.3107



12.0023, 0.3567, 0.3312



12.0023, 0.3629, 0.3520

Triad

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



12.0023, 0.3567, 0.3312



12.0023, 0.3107, 0.3667



12.0023, 0.2716, 0.2900

Complementary

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



12.0023, 0.3567, 0.3312



15.9628, 0.2801, 0.3268

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.



12.0023, 0.2650, 0.3031



12.0023, 0.3567, 0.3312



12.0023, 0.2870, 0.3480

Square

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



12.0023, 0.3567, 0.3312



12.0023, 0.3356, 0.3738



12.0023, 0.2705, 0.3242



12.0023, 0.2889, 0.2874

Rectangle

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



12.0023, 0.3567, 0.3312



12.0023, 0.3591, 0.3635



12.0023, 0.2705, 0.3242



12.0023, 0.2681, 0.2933

Sweetspot

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



12.0029, 0.3567, 0.3312



28.2824, 0.3242, 0.3296



12.3622, 0.3166, 0.2764



6.4601, 0.3249, 0.3297



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.



12.0029, 0.3567, 0.3312



19.4266, 0.3710, 0.3318



14.5086, 0.3508, 0.3590



3.7202, 0.3275, 0.3298



4.2631, 0.6358, 0.3334



20.5021, 0.6383, 0.3314

Inverse Universe

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



15.9628, 0.2801, 0.3268



27.9027, 0.2729, 0.3262



13.0846, 0.2779, 0.2971



4.1336, 0.2995, 0.3282



14.3636, 0.2217, 0.3180



69.7144, 0.2215, 0.3174

Previews

White Background



This preview shows how the Yxy color 12.0023, 0.3567, 0.3312 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 12.0023, 0.3567, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

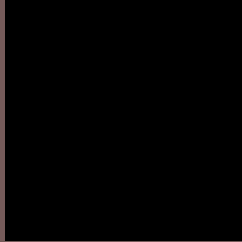
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0023, 0.3567, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 12.0023, 0.3567, 0.3312.



This preview shows how white text looks on a background with the Yxy color 12.0023, 0.3567, 0.3312.

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

12.0023, 0.3567, 0.3312

Protanopia

12.0490, 0.3229, 0.3382

Deuteranopia

12.0417, 0.3456, 0.3401



Tritanopia

12.0269, 0.3474, 0.3145

Trichromacy



Original Color

12.0023, 0.3567, 0.3312

Protanomaly

12.0213, 0.3343, 0.3358

Deuteranomaly

12.0607, 0.3508, 0.3378

Tritanomaly

11.9720, 0.3522, 0.3207

Monochromacy



Original Color

12.0023, 0.3567, 0.3312

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2744, 0.3281, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0023, 0.3567, 0.3312 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(117, 91, 90)` looks like.

```
.text, #text, p{  
    color:rgb(117, 91, 90)  
}
```

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(117, 91, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 91, 90) }
```

Border

The CSS property to change the border of an element to Yxy 12.0023, 0.3567, 0.3312 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(117, 91, 90) }
```

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

```
.border{ border-color:rgb(117, 91, 90) }
```

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

Here you see how a box with a 4 pixel rgb(117, 91, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 91, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 91, 90);  
box-shadow:4px 4px 4px 4px rgb(117, 91,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0023, 0.3567, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 91, 90) }
```

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

```
.background{ background-color: rgb(117, 91,  
90) }
```

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