

Converting Colors

$Y_{xy}(12.3008, 0.3627, 0.3428)$

Have a look what the booklet for
Yxy(12.3008, 0.3627, 0.3428)
contains.

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Color

Yxy(12.3521, 0.3638, 0.3439)

Conversions

Conversions Part 1

Format	Color
Hex	765D56
RGB	118, 93, 86
RGB Percent	46%, 36%, 34%
CMY	0.5372, 0.6353, 0.6628
CMYK	0.00, 0.21, 0.27, 0.54
HSL	13°, 16%, 40%
HSV	13°, 27%, 46%
XYZ	13.0669, 12.3521, 10.4987
YIQ	99.6770, 17.1470, 3.1230

Conversions

Conversions Part 2

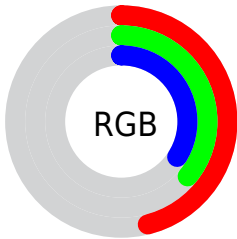
Format	Color
R_{YB}	118, 95, 86
Decimal	7757142
CIE _{Lab}	41.77, 9.05, 7.89
CIE _{LCh}	42, 12.005, 41.105
Yxy	12.3521, 0.3638, 0.3439
Android (android.graphics.Color)	4285947222 (0xFF765D56)
YUV	99.6770, -6.7428, 16.0693
Hunter-Lab	35.1456, 4.8603, 6.8907

Details

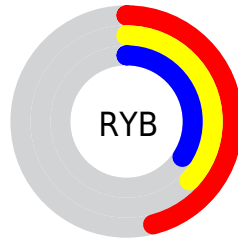
The Yxy color **12.3521, 0.3638, 0.3439** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6595, 0.2737, 0.3135**, and the grayscale version is **12.6722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0804, 0.3506, 0.3395**, and **3.4583, 0.3914, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **10.6555, 0.3895, 0.3497**, and if you desaturate by 10%, it is **14.2765, 0.3421, 0.3382**.

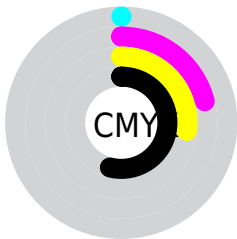
Distribution



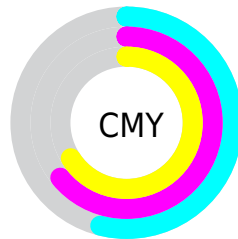
- Red (46%)
- Green (36%)
- Blue (34%)



- Red (46%)
- Yellow (37%)
- Blue (34%)



- Cyan (0%)
- Magenta (21%)
- Yellow (27%)
- Black (54%)





- Cyan (54%)
- Magenta (64%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3521, 0.3638, 0.3439 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 12.3521, 0.3638, 0.3439 by changing the saturation by 10% instead.


 12.3521, 0.3638,
0.3439


 12.3521, 0.3638,
0.3439


206.7225, 0.3325,
0.3353

 6.9839, 0.3747,
0.3465


 30.1348, 0.3505,
0.3405


 3.4521, 0.3913,
0.3500

 43.3181, 0.3462,
0.3393


 1.3720, 0.4202,
0.3553

 59.8753, 0.3427,
0.3383

 0.1960, 0.6750,
0.3250

 80.1907, 0.3399,
0.3375

 0.0000, 0.0000,
0.0000

 104.6487, 0.3376,
0.3368

133.6338, 0.3356,

0.3362

167.5302, 0.3339,
0.3357

■ 12.3521, 0.3638,
0.3439

■ 12.3521, 0.3638,
0.3439

■ 10.6555, 0.3895,
0.3497

■ 14.2765, 0.3421,
0.3382

■ 9.1766, 0.4196,
0.3553

■ 16.4351, 0.3239,
0.3327

■ 7.9069, 0.4540,
0.3600

■ 18.8359, 0.3086,
0.3276

■ 6.8368, 0.4917,
0.3632

■ 21.4863, 0.2959,
0.3229

■ 5.9558, 0.5305,
0.3639

■ 24.3932, 0.2851,
0.3186

■ 5.2527, 0.5672,
0.3614

■ 27.5633, 0.2761,
0.3146

■ 4.7119, 0.5990,
0.3564

■ 31.0031, 0.2684,
0.3111

■ 4.5827, 0.6080,
0.3554

■ 34.7187, 0.2618,
0.3078

■ 38.7161, 0.2562,
0.3048

Harmonies

Analogous

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



12.3521, 0.3515, 0.3219



12.3521, 0.3638, 0.3439



12.3521, 0.3617, 0.3633

Triad

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



12.3521, 0.3638, 0.3439



12.3521, 0.2959, 0.3581



12.3521, 0.2792, 0.2857

Complementary

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



12.3521, 0.3638, 0.3439



14.6595, 0.2737, 0.3135

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.



12.3521, 0.2657, 0.2931



12.3521, 0.3638, 0.3439



12.3521, 0.2750, 0.3346

Square

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



12.3521, 0.3638, 0.3439



12.3521, 0.3218, 0.3730



12.3521, 0.2642, 0.3106



12.3521, 0.3019, 0.2893

Rectangle

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



12.3521, 0.3638, 0.3439



12.3521, 0.3525, 0.3719



12.3521, 0.2642, 0.3106



12.3521, 0.2735, 0.2869

Sweetspot

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



12.3527, 0.3638, 0.3439



28.4642, 0.3257, 0.3333



11.6573, 0.3262, 0.2781



6.4308, 0.3278, 0.3339



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.



12.3527, 0.3638, 0.3439



19.6744, 0.3806, 0.3478



15.4501, 0.3558, 0.3761



3.8188, 0.3271, 0.3337



4.9396, 0.6086, 0.3550



23.0027, 0.6169, 0.3484

Inverse Universe

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



14.6595, 0.2737, 0.3135



24.4896, 0.2646, 0.3092



11.4836, 0.2703, 0.2770



4.0260, 0.2995, 0.3243



9.7159, 0.2055, 0.2597



46.0483, 0.2043, 0.2556

Previews

White Background



This preview shows how the Yxy color 12.3521, 0.3638, 0.3439 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 12.3521, 0.3638, 0.3439 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 12.3521, 0.3638, 0.3439

Background



This preview shows how black text looks on a background with the Yxy color 12.3521, 0.3638, 0.3439.



This preview shows how white text looks on a background with the Yxy color 12.3521, 0.3638, 0.3439.

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

12.3521, 0.3638, 0.3439

Protanopia

12.3402, 0.3331, 0.3494

Deuteranopia

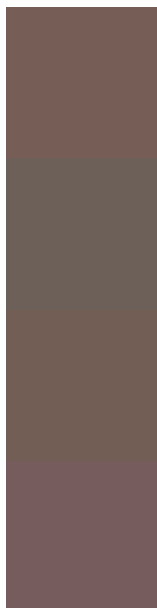
12.3670, 0.3547, 0.3486



Tritanopia

12.2860, 0.3471, 0.3146

Trichromacy



Original Color

12.3521, 0.3638, 0.3439

Protanomaly

12.2585, 0.3431, 0.3468

Deuteranomaly

12.3221, 0.3584, 0.3463

Tritanomaly

12.3844, 0.3531, 0.3250

Monochromacy



Original Color

12.3521, 0.3638, 0.3439

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.5014, 0.3308, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3521, 0.3638, 0.3439 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(118, 93, 86)` looks like.

```
.text, #text, p{  
    color:rgb(118, 93, 86)  
}
```

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(118, 93, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 93, 86) }
```

Border

The CSS property to change the border of an element to Yxy 12.3521, 0.3638, 0.3439 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(118, 93, 86) }
```

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

```
.border{ border-color:rgb(118, 93, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 93, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 93, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 93, 86);  
box-shadow:4px 4px 4px 4px rgb(118, 93,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3521, 0.3638, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 93, 86) }
```

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

```
.background{ background-color: rgb(118, 93,  
86) }
```

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](#).

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