

Converting Colors

$Y_{xy}(12.2582, 0.3735, 0.3465)$

Have a look what the booklet for
Yxy(12.2582, 0.3735, 0.3465)
contains.

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Color

Yxy(12.3438, 0.3741, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	795C53
RGB	121, 92, 83
RGB Percent	47%, 36%, 33%
CMY	0.5255, 0.6392, 0.6746
CMYK	0.00, 0.24, 0.31, 0.53
HSL	14°, 19%, 40%
HSV	14°, 31%, 47%
XYZ	13.2734, 12.3438, 9.8637
YIQ	99.6450, 20.1730, 3.3490

Conversions

Conversions Part 2

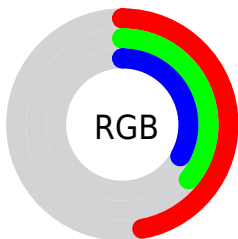
Format	Color
RYB	121, 95, 83
Decimal	7953491
CIELab	41.76, 10.45, 9.76
CIELCh	42, 14.301, 43.027
Yxy	12.3438, 0.3741, 0.3479
Android (android.graphics.Color)	4286143571 (0xFF795C53)
YUV	99.6450, -8.2060, 18.7283
Hunter-Lab	35.1337, 5.9526, 7.9481

Details

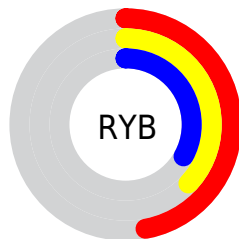
The Yxy color **12.3438, 0.3741, 0.3479** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.8038, 0.2675, 0.3091**, and the grayscale version is **12.6665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0106, 0.3586, 0.3439**, and **3.4335, 0.4068, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **10.6705, 0.4014, 0.3542**, and if you desaturate by 10%, it is **14.2457, 0.3508, 0.3416**.

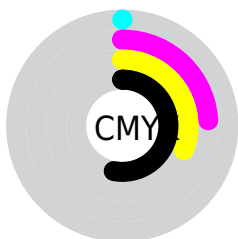
Distribution



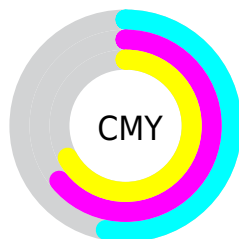
- Red (47%)
- Green (36%)
- Blue (33%)



- Red (47%)
- Yellow (37%)
- Blue (33%)



- Cyan (0%)
- Magenta (24%)
- Yellow (31%)
- Black (53%)





- Cyan (53%)
- Magenta (64%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3438, 0.3741, 0.3479 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 12.3438, 0.3741, 0.3479 by changing the saturation by 10% instead.


 12.3438, 0.3741,
0.3479


 12.3438, 0.3741,
0.3479


206.6682, 0.3364,
0.3371


 6.9783, 0.3871,
0.3511


 30.1197, 0.3581,
0.3436


 3.4485, 0.4070,
0.3553

 43.2989, 0.3529,
0.3421


 1.3701, 0.4430,
0.3625

 59.8515, 0.3487,
0.3409

 0.1946, 0.6935,
0.3065

 80.1618, 0.3454,
0.3399

 0.0000, 0.0000,
0.0000

 104.6142, 0.3426,
0.3390

133.5932, 0.3402,

0.3383

167.4830, 0.3382,
0.3377

■ 12.3438, 0.3741,
0.3479

■ 12.3438, 0.3741,
0.3479

■ 10.6705, 0.4014,
0.3542

■ 14.2457, 0.3508,
0.3416

■ 9.2155, 0.4330,
0.3599

■ 16.3828, 0.3313,
0.3355

■ 7.9701, 0.4684,
0.3645

■ 18.7633, 0.3148,
0.3298

■ 6.9244, 0.5063,
0.3670

■ 21.3947, 0.3010,
0.3245

■ 6.0675, 0.5441,
0.3665

■ 24.2841, 0.2894,
0.3196

■ 5.3877, 0.5780,
0.3624

■ 27.4384, 0.2796,
0.3151

■ 4.9293, 0.6045,
0.3582

■ 30.8640, 0.2713,
0.3111

■ 34.5673, 0.2642,
0.3074

■ 38.5544, 0.2581,
0.3040

Harmonies

Analogous

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



12.3438, 0.3604, 0.3220



12.3438, 0.3741, 0.3479



12.3438, 0.3703, 0.3706

Triad

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



12.3438, 0.3741, 0.3479



12.3438, 0.2907, 0.3623



12.3438, 0.2744, 0.2777

Complementary

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



12.3438, 0.3741, 0.3479



14.8038, 0.2675, 0.3091

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.



12.3438, 0.2577, 0.2853



12.3438, 0.3741, 0.3479



12.3438, 0.2668, 0.3336

Square

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



12.3438, 0.3741, 0.3479



12.3438, 0.3213, 0.3811



12.3438, 0.2550, 0.3052



12.3438, 0.3017, 0.2828

Rectangle

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



12.3438, 0.3741, 0.3479



12.3438, 0.3586, 0.3808



12.3438, 0.2550, 0.3052



12.3438, 0.2674, 0.2788

Sweetspot

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



12.3444, 0.3741, 0.3479



30.2330, 0.3274, 0.3342



11.4223, 0.3298, 0.2709



6.7999, 0.3295, 0.3349



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.3444, 0.3741, 0.3479



19.8102, 0.3943, 0.3526



16.0287, 0.3632, 0.3851



4.1552, 0.3272, 0.3341



5.2666, 0.6050, 0.3578



23.9990, 0.6134, 0.3512

Inverse Universe

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



14.8038, 0.2675, 0.3091



24.9708, 0.2574, 0.3036



11.0694, 0.2627, 0.2657



4.3590, 0.2994, 0.3238



9.7200, 0.2037, 0.2532



45.0057, 0.2025, 0.2489

Previews

White Background



This preview shows how the Yxy color 12.3438, 0.3741, 0.3479 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 12.3438, 0.3741, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

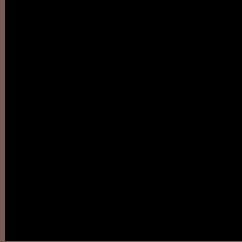
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3438, 0.3741, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 12.3438, 0.3741, 0.3479.



This preview shows how white text looks on a background with the Yxy color 12.3438, 0.3741, 0.3479.

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

12.3438, 0.3741, 0.3479

Protanopia

12.2908, 0.3375, 0.3563

Deuteranopia

12.3710, 0.3625, 0.3572



Tritanopia

12.3130, 0.3539, 0.3148

Trichromacy



Original Color

12.3438, 0.3741, 0.3479

Protanomaly

12.3366, 0.3509, 0.3533

Deuteranomaly

12.3965, 0.3679, 0.3546

Tritanomaly

12.3925, 0.3616, 0.3271

Monochromacy



Original Color

12.3438, 0.3741, 0.3479

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.5457, 0.3339, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3438, 0.3741, 0.3479 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(121, 92, 83)` looks like.

```
.text, #text, p{  
    color:rgb(121, 92, 83)  
}
```

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(121, 92, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 92, 83) }
```

Border

The CSS property to change the border of an element to Yxy 12.3438, 0.3741, 0.3479 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(121, 92, 83) }
```

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

```
.border{ border-color:rgb(121, 92, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 92, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 92, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 92, 83);  
box-shadow:4px 4px 4px 4px rgb(121, 92,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3438, 0.3741, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 92, 83) }
```

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

```
.background{ background-color: rgb(121, 92,  
83) }
```

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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