

Converting Colors

$Y_{xy}(12.1402, 0.5224, 0.3698)$

Have a look what the booklet for
Yxy(12.1402, 0.5224, 0.3698)
contains.

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Color

Yxy(12.1402, 0.5224, 0.3698)

Conversions

Conversions Part 1

| Format | Color |
|---------------|--------------------------|
| Hex | A04729 |
| RGB | 160, 71, 41 |
| RGB Percent | 63%, 28%, 16% |
| CMY | 0.3726, 0.7215, 0.8391 |
| CMYK | 0.00, 0.56, 0.74, 0.37 |
| HSL | 15°, 59%, 39% |
| HSV | 15°, 74%, 63% |
| XYZ | 17.1499, 12.1402, 3.5390 |
| YIQ | 94.1910, 62.6740, 9.5380 |

Conversions

Conversions Part 2

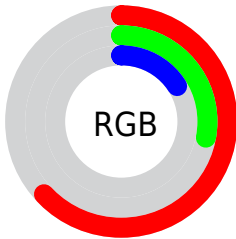
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 160, 81, 41 |
| Decimal | 10503977 |
| CIELab | 41.44, 34.96, 35.20 |
| CIElCh | 41, 49.615, 45.199 |
| Yxy | 12.1402, 0.5224, 0.3698 |
| Android (android.graphics.Color) | 4288694057 (0xFFA04729) |
| YUV | 94.1910, -26.2232, 57.7145 |
| Hunter-Lab | 34.8428, 26.8843, 18.3679 |

Details

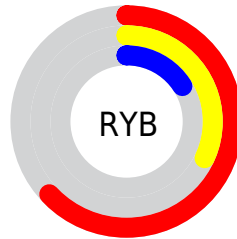
The Yxy color **12.1402, 0.5224, 0.3698** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.9754, 0.2167, 0.2698**, and the grayscale version is **11.2945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8393, 0.4717, 0.3681**, and **3.3611, 0.6079, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **10.6756, 0.5592, 0.3676**, and if you desaturate by 10%, it is **13.9514, 0.4838, 0.3683**.

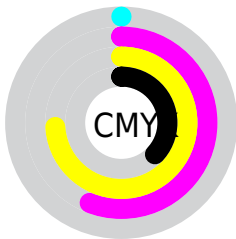
Distribution



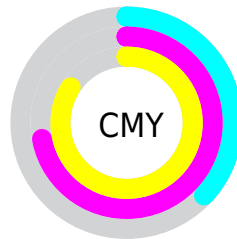
- Red (63%)
- Green (28%)
- Blue (16%)



- Red (63%)
- Yellow (32%)
- Blue (16%)



- Cyan (0%)
- Magenta (56%)
- Yellow (74%)
- Black (37%)





- Cyan (37%)
- Magenta (72%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1402, 0.5224, 0.3698 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 12.1402, 0.5224, 0.3698 by changing the saturation by 10% instead.


 12.1402, 0.5224,
0.3698


 12.1402, 0.5224,
0.3698


 205.3313, 0.3969,
0.3556


 6.8392, 0.5596,
0.3667


 29.7502, 0.4718,
0.3682


 3.3618, 0.6228,
0.3639

 42.8280, 0.4542,
0.3662


 1.3234, 0.6740,
0.3260

 59.2669, 0.4400,
0.3642

 0.1592, 0.8645,
0.1355

 79.4513, 0.4283,
0.3622

 0.0000, 0.0000,
0.0000

 103.7655, 0.4185,
0.3603

 132.5940, 0.4102,

0.3586

166.3211, 0.4030,
0.3570

12.1402, 0.5224,
0.3698

12.1402, 0.5224,
0.3698

10.6756, 0.5592,
0.3676

13.9514, 0.4838,
0.3683

9.5319, 0.5901,
0.3614

16.1282, 0.4467,
0.3641

9.0128, 0.6055,
0.3575

18.6908, 0.4131,
0.3583

21.6571, 0.3836,
0.3516

25.0437, 0.3585,
0.3448

■ 28.8666, 0.3373,
0.3380

■ 33.1407, 0.3195,
0.3316

■ 37.8802, 0.3046,
0.3257

■ 43.0987, 0.2922,
0.3203

Harmonies

Analogous

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



12.1402, 0.4852, 0.3004



12.1402, 0.5224, 0.3698



12.1402, 0.4900, 0.4438

Triad

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



12.1402, 0.5224, 0.3698



12.1402, 0.2244, 0.4504



12.1402, 0.1957, 0.1766

Complementary

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



12.1402, 0.5224, 0.3698



18.9754, 0.2167, 0.2698

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.



12.1402, 0.1511, 0.1861



12.1402, 0.5224, 0.3698



12.1402, 0.1622, 0.3251

Square

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



12.1402, 0.5224, 0.3698



12.1402, 0.3166, 0.5278



12.1402, 0.1396, 0.2318



12.1402, 0.2770, 0.1956

Rectangle

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



12.1402, 0.5224, 0.3698



12.1402, 0.4417, 0.4910



12.1402, 0.1396, 0.2318



12.1402, 0.1769, 0.1764

Sweetspot

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



12.1409, 0.5224, 0.3698



46.7588, 0.3541, 0.3434



10.6785, 0.3700, 0.2043



9.8918, 0.3598, 0.3451



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



12.1409, 0.5224, 0.3698



18.0012, 0.5798, 0.3641



23.6647, 0.4403, 0.4548



6.9044, 0.3278, 0.3347



7.0834, 0.6039, 0.3587



0.1878, 0.5358, 0.4128

Inverse Universe

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



18.9754, 0.2167, 0.2698



30.6976, 0.2060, 0.2547



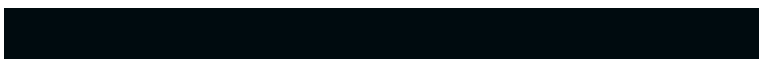
7.4861, 0.1856, 0.1463



7.2261, 0.2988, 0.3232



12.4515, 0.2020, 0.2470



0.2850, 0.2121, 0.2835

Previews

White Background



This preview shows how the Yxy color 12.1402, 0.5224, 0.3698 looks on a white background.

Color Contrast Check

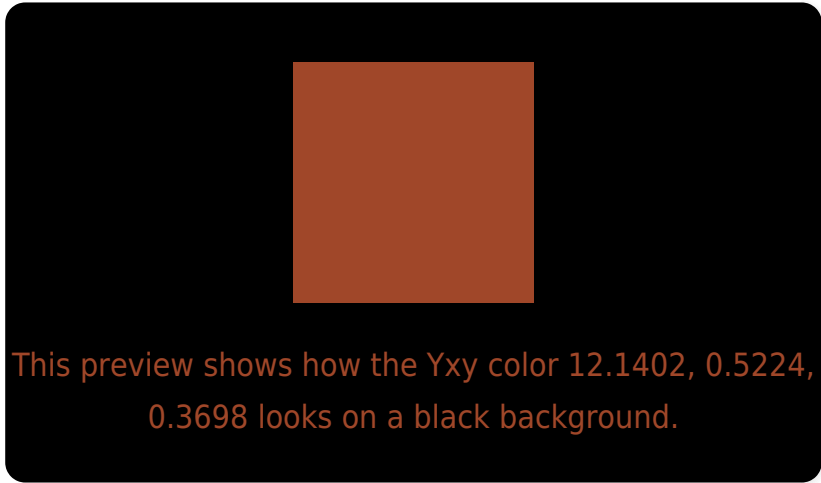
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.1402, 0.5224, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 12.1402, 0.5224, 0.3698.



This preview shows how white text looks on a background with the Yxy color 12.1402, 0.5224, 0.3698.

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

12.1402, 0.5224, 0.3698

Protanopia

12.3966, 0.3984, 0.4362

Deuteranopia

12.3377, 0.4435, 0.4387



Tritanopia

12.0593, 0.4773, 0.3220

Trichromacy



Original Color

12.1402, 0.5224, 0.3698

Protanomaly

11.9312, 0.4456, 0.4100

Deuteranomaly

12.0234, 0.4734, 0.4120

Tritanomaly

12.0482, 0.4964, 0.3397

Monochromacy



Original Color

12.1402, 0.5224, 0.3698

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0151, 0.3864, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1402, 0.5224, 0.3698 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(160, 71, 41)` looks like.

```
.text, #text, p{  
    color:rgb(160, 71, 41)  
}
```

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(160, 71, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 71, 41) }
```

Border

The CSS property to change the border of an element to Yxy 12.1402, 0.5224, 0.3698 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(160, 71, 41) }
```

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

```
.border{ border-color:rgb(160, 71, 41) }
```

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

Here you see how a box with a 4 pixel rgb(160, 71, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 71, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 71, 41);  
box-shadow:4px 4px 4px 4px rgb(160, 71,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1402, 0.5224, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 71, 41) }
```

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

```
.background{ background-color: rgb(160, 71,  
41) }
```

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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