

Converting Colors

$Y_{xy}(12.8454, 0.5733, 0.4267)$

Have a look what the booklet for
Yxy(12.8454, 0.5733, 0.4267)
contains.

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Color

Yxy(12.9891, 0.5464, 0.4043)

Conversions

Conversions Part 1

Format	Color
Hex	A24D00
RGB	162, 77, 0
RGB Percent	64%, 30%, 0%
CMY	0.3647, 0.6980, 0.9997
CMYK	0.00, 0.52, 1.00, 0.36
HSL	29°, 100%, 32%
HSV	29°, 100%, 64%
XYZ	17.5544, 12.9891, 1.5839
YIQ	93.6370, 75.3770, -5.9270

Conversions

Conversions Part 2

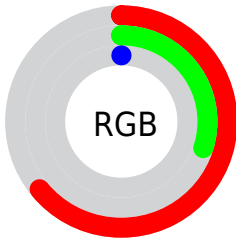
Format	Color
RYB	162, 147, 0
Decimal	10636544
CIELab	42.75, 31.52, 52.47
CIELCh	43, 61.207, 59.001
Yxy	12.9891, 0.5464, 0.4043
Android (android.graphics.Color)	4288826624 (0xFFA24D00)
YUV	93.6370, -46.1630, 59.9544
Hunter-Lab	36.0404, 23.8723, 22.6226

Details

The Yxy color **12.9891, 0.5464, 0.4043** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.1165, 0.1800, 0.1678**, and the grayscale version is **11.2032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4217, 0.4973, 0.4018**, and **3.7623, 0.5913, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **12.9844, 0.5465, 0.4043**, and if you desaturate by 10%, it is **14.2967, 0.5242, 0.4099**.

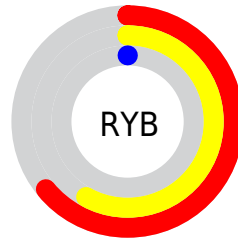
Distribution



Red (64%)

Green (30%)

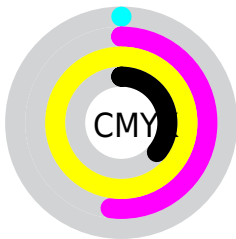
Blue (0%)



Red (64%)

Yellow (58%)

Blue (0%)

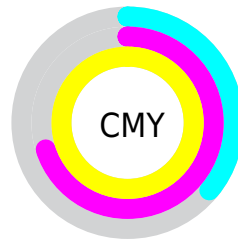


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9891, 0.5464, 0.4043 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 12.9891, 0.5464, 0.4043 by changing the saturation by 10% instead.


 12.9891, 0.5464,
0.4043


 12.9891, 0.5464,
0.4043


 210.8478, 0.4149,
0.3780

 7.4210, 0.5822,
0.4027


 31.2842, 0.4978,
0.4013


 3.7268, 0.6149,
0.3851

 44.7800, 0.4794,
0.3977

 1.5219, 0.6523,
0.3477

 61.6872, 0.4640,
0.3940

 0.3041, 0.7799,
0.2201

 82.3902, 0.4510,
0.3903

 0.0000, 1.0000,
0.0000

 107.2734, 0.4399,
0.3868

 0.0000, 0.0000,
0.0000

 136.7211, 0.4304,

0.3836

■ 171.1178, 0.4221,
0.3807

■ 12.9891, 0.5464,
0.4043

■ 12.9891, 0.5464,
0.4043

■ 12.9844, 0.5465,
0.4043

■ 14.2967, 0.5242,
0.4099

■ 15.7955, 0.4992,
0.4113

■ 17.5044, 0.4716,
0.4077

■ 19.4341, 0.4434,
0.4001

■ 21.5943, 0.4161,
0.3898

■ 23.9939, 0.3905,
0.3779

■ 26.6413, 0.3673,
0.3654

■ 29.5442, 0.3467,
0.3527

■ 32.7100, 0.3285,
0.3405

Harmonies

Analogous

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



12.9891, 0.5496, 0.3253



12.9891, 0.5464, 0.4043



12.9891, 0.4742, 0.4926

Triad

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



12.9891, 0.5464, 0.4043



12.9891, 0.1679, 0.4050



12.9891, 0.2133, 0.1609

Complementary

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



12.9891, 0.5464, 0.4043



9.1165, 0.1800, 0.1678

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.



12.9891, 0.1459, 0.1554



12.9891, 0.5464, 0.4043



12.9891, 0.1220, 0.2618

Square

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



12.9891, 0.5464, 0.4043



12.9891, 0.2589, 0.5466



12.9891, 0.1171, 0.1836



12.9891, 0.3262, 0.1951

Rectangle

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



12.9891, 0.5464, 0.4043



12.9891, 0.4064, 0.5467



12.9891, 0.1171, 0.1836



12.9891, 0.1859, 0.1558

Sweetspot

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



12.9898, 0.5464, 0.4043



48.0572, 0.3687, 0.3661



8.3617, 0.4798, 0.2417



10.3501, 0.3778, 0.3712



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.9898, 0.5464, 0.4043



23.1666, 0.5494, 0.4020



31.6608, 0.4252, 0.5006



7.6151, 0.3274, 0.3397



10.3148, 0.5451, 0.4054



0.3113, 0.4893, 0.4497

Inverse Universe

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



9.1165, 0.1800, 0.1678



16.1251, 0.1791, 0.1647



2.7278, 0.1507, 0.0625



7.4464, 0.2987, 0.3181



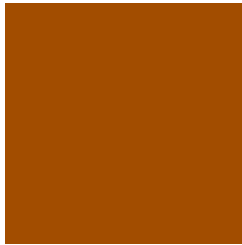
7.2645, 0.1803, 0.1692



0.2466, 0.1980, 0.2329

Previews

White Background



This preview shows how the Yxy color 12.9891, 0.5464, 0.4043 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 12.9891, 0.5464, 0.4043

Background



This preview shows how black text looks on a background with the Yxy color 12.9891, 0.5464, 0.4043.



This preview shows how white text looks on a background with the Yxy color 12.9891, 0.5464, 0.4043.

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

12.9891, 0.5464, 0.4043

Protanopia

13.1821, 0.4337, 0.4801

Deuteranopia

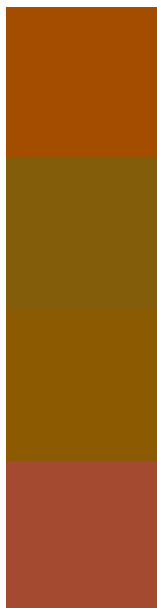
13.1386, 0.4680, 0.4666



Tritanopia

13.0490, 0.4693, 0.3235

Trichromacy



Original Color

12.9891, 0.5464, 0.4043

Protanomaly

12.7561, 0.4768, 0.4511

Deuteranomaly

12.8878, 0.4976, 0.4431

Tritanomaly

12.8975, 0.5121, 0.3652

Monochromacy



Original Color

12.9891, 0.5464, 0.4043

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2276, 0.4114, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9891, 0.5464, 0.4043 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(162, 77, 0)` looks like.

```
.text, #text, p{  
  color:rgb(162, 77, 0)  
}
```

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(162, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9891, 0.5464, 0.4043 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(162, 77, 0) }
```

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

```
.border{ border-color:rgb(162, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(162, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9891, 0.5464, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 77, 0) }
```

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

```
.background{ background-color: rgb(162, 77,  
0) }
```

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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