

Converting Colors

$Y_{xy}(12.0596, 0.5421, 0.4078)$

Have a look what the booklet for
Yxy(12.0596, 0.5421, 0.4078)
contains.

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Color

Yxy(12.1374, 0.5415, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	9B4C00
RGB	155, 76, 0
RGB Percent	61%, 30%, 0%
CMY	0.3922, 0.7019, 0.9998
CMYK	0.00, 0.51, 1.00, 0.39
HSL	29°, 100%, 30%
HSV	29°, 100%, 61%
XYZ	16.1009, 12.1374, 1.4956
YIQ	90.9570, 71.4800, -6.8880

Conversions

Conversions Part 2

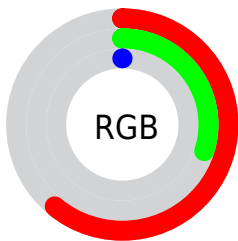
Format	Color
R_{YB}	155, 149, 0
Decimal	10177536
CIE Lab	41.43, 29.10, 51.13
CIE LCh	41, 58.826, 60.354
Yxy	12.1374, 0.5415, 0.4082
Android (android.graphics.Color)	4288367616 (0xFF9B4C00)
YUV	90.9570, -44.8418, 56.1657
Hunter-Lab	34.8388, 21.5269, 21.8418

Details

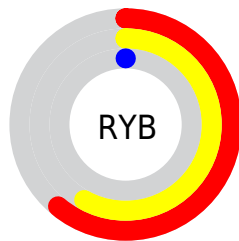
The Yxy color **12.1374, 0.5415, 0.4082** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.9636, 0.1787, 0.1633**, and the grayscale version is **10.5454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6543, 0.4931, 0.4040**, and **3.4201, 0.5857, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **12.1341, 0.5416, 0.4082**, and if you desaturate by 10%, it is **13.3306, 0.5198, 0.4132**.

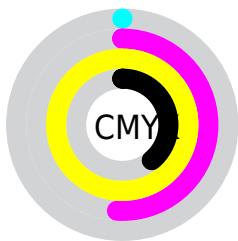
Distribution



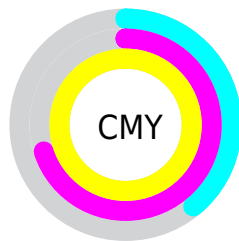
- Red (61%)
- Green (30%)
- Blue (0%)



- Red (61%)
- Yellow (58%)
- Blue (0%)



- Cyan (0%)
- Magenta (51%)
- Yellow (100%)
- Black (39%)




- Cyan (39%)
- Magenta (70%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1374, 0.5415, 0.4082 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 12.1374, 0.5415, 0.4082 by changing the saturation by 10% instead.


 12.1374, 0.5415,
0.4082


 12.1374, 0.5415,
0.4082


 205.3128, 0.4114,
0.3785

 6.8373, 0.5787,
0.4085


 29.7451, 0.4930,
0.4037


 3.3606, 0.6098,
0.3902

 42.8215, 0.4748,
0.3996

 1.3227, 0.6478,
0.3522

 59.2588, 0.4596,
0.3955

 0.1587, 0.8444,
0.1556


 79.4415, 0.4467,
0.3915


 0.0000, 0.0000,
0.0000


 103.7538, 0.4359,
0.3878


 132.5802, 0.4265,


0.3844


 166.3050, 0.4185,
0.3813


 12.1374, 0.5415,
0.4082


 12.1374, 0.5415,
0.4082


 12.1341, 0.5416,
0.4082

 13.3306, 0.5198,
0.4132

 14.6886, 0.4954,
0.4141

 16.2286, 0.4687,
0.4101

 17.9598, 0.4413,
0.4021

 19.8904, 0.4146,
0.3915

■ 22.0280, 0.3896,
0.3793

■ 24.3796, 0.3668,
0.3663

■ 26.9521, 0.3464,
0.3534

■ 29.7517, 0.3284,
0.3408

Harmonies

Analogous

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



12.1374, 0.5478, 0.3293



12.1374, 0.5415, 0.4082



12.1374, 0.4687, 0.4953

Triad

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



12.1374, 0.5415, 0.4082



12.1374, 0.1670, 0.3965



12.1374, 0.2188, 0.1638

Complementary

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



12.1374, 0.5415, 0.4082



7.9636, 0.1787, 0.1633

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.



12.1374, 0.1500, 0.1571



12.1374, 0.5415, 0.4082



12.1374, 0.1234, 0.2583

Square

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



12.1374, 0.5415, 0.4082



12.1374, 0.2555, 0.5381



12.1374, 0.1199, 0.1835



12.1374, 0.3320, 0.1989

Rectangle

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



12.1374, 0.5415, 0.4082



12.1374, 0.4013, 0.5469



12.1374, 0.1199, 0.1835



12.1374, 0.1910, 0.1583

Sweetspot

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



12.1381, 0.5415, 0.4082



43.3945, 0.3681, 0.3671



7.5495, 0.4860, 0.2451



9.4394, 0.3769, 0.3722



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



12.1381, 0.5415, 0.4082



21.3580, 0.5444, 0.4059



29.5569, 0.4222, 0.5030



6.6976, 0.3272, 0.3399



9.8235, 0.5403, 0.4092



0.2194, 0.4798, 0.4573

Inverse Universe

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



7.9636, 0.1787, 0.1633



13.8774, 0.1778, 0.1601



2.4238, 0.1504, 0.0613



6.5208, 0.2989, 0.3178



6.4704, 0.1791, 0.1647



0.1695, 0.1998, 0.2392

Previews

White Background



This preview shows how the Yxy color 12.1374, 0.5415, 0.4082 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 12.1374, 0.5415, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 12.1374, 0.5415, 0.4082.



This preview shows how white text looks on a background with the Yxy color 12.1374, 0.5415, 0.4082.

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

12.1374, 0.5415, 0.4082

Protanopia

12.3349, 0.4327, 0.4810

Deuteranopia

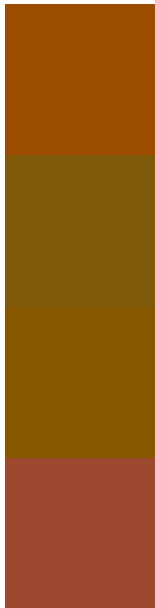
12.1138, 0.4696, 0.4653



Tritanopia

12.1826, 0.4623, 0.3231

Trichromacy



Original Color

12.1374, 0.5415, 0.4082

Protanomaly

12.0139, 0.4738, 0.4538

Deuteranomaly

11.9673, 0.4968, 0.4437

Tritanomaly

12.0464, 0.5051, 0.3660

Monochromacy



Original Color

12.1374, 0.5415, 0.4082

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.5385, 0.4082, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1374, 0.5415, 0.4082 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(155, 76, 0)` looks like.

```
.text, #text, p{  
  color:rgb(155, 76, 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(155, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 76, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.1374, 0.5415, 0.4082 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(155, 76, 0) }
```

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

```
.border{ border-color:rgb(155, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(155, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 76, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1374, 0.5415, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 76, 0) }
```

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

```
.background{ background-color: rgb(155, 76,  
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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