

Converting Colors

$Y_{xy}(12.3639, 0.5330, 0.4033)$

Have a look what the booklet for
Yxy(12.3639, 0.5330, 0.4033)
contains.

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Color

Yxy(12.3080, 0.5329, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	9B4D0E
RGB	155, 77, 14
RGB Percent	61%, 30%, 5%
CMY	0.3922, 0.6980, 0.9449
CMYK	0.00, 0.50, 0.91, 0.39
HSL	27°, 83%, 33%
HSV	27°, 91%, 61%
XYZ	16.2511, 12.3080, 1.9365
YIQ	93.1400, 66.7110, -3.0570

Conversions

Conversions Part 2

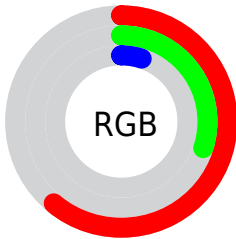
Format	Color
R_{YB}	155, 128, 14
Decimal	10177806
CIE _{Lab}	41.70, 28.80, 47.28
CIE _{LCh}	42, 55.361, 58.653
Yxy	12.3080, 0.5329, 0.4036
Android (android.graphics.Color)	4288367886 (0xFF9B4D0E)
YUV	93.1400, -39.0160, 54.2512
Hunter-Lab	35.0828, 21.2901, 21.2853

Details

The Yxy color **12.3080, 0.5329, 0.4036** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.1235, 0.1892, 0.1928**, and the grayscale version is **11.0639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0075, 0.4847, 0.3978**, and **3.4699, 0.5832, 0.3752** is the 20% darker color. If you saturate the color by 10%, you get **11.2527, 0.5541, 0.3982**, and if you desaturate by 10%, it is **13.6489, 0.5068, 0.4059**.

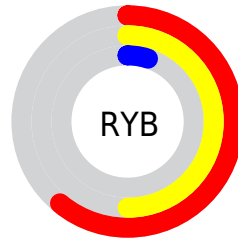
Distribution



Red (61%)

Green (30%)

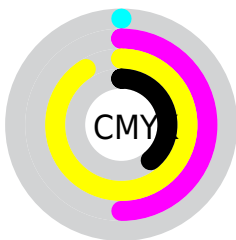
Blue (5%)



Red (61%)

Yellow (50%)

Blue (5%)

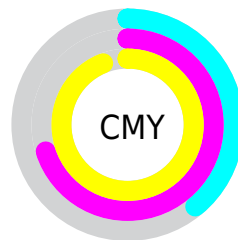


Cyan (0%)

Magenta (50%)

Yellow (91%)

Black (39%)



Cyan (39%)


Magenta (70%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3080, 0.5329, 0.4036 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 12.3080, 0.5329, 0.4036 by changing the saturation by 10% instead.


 12.3080, 0.5329,
0.4036


 12.3080, 0.5329,
0.4036


206.4338, 0.4060,
0.3741


 6.9538, 0.5673,
0.4028


 30.0548, 0.4845,
0.3980


 3.4332, 0.6079,
0.3921

 43.2163, 0.4667,
0.3940

 1.3619, 0.6451,
0.3549

 59.7489, 0.4520,
0.3900

 0.1884, 0.8241,
0.1759


 80.0371, 0.4397,
0.3862


 0.0000, 0.0000,
0.0000

 104.4653, 0.4293,
0.3827

 133.4179, 0.4204,


0.3795


 167.2793, 0.4127,
0.3767


 12.3080, 0.5329,
0.4036


 12.3080, 0.5329,
0.4036


 11.2527, 0.5541,
0.3982

 13.6489, 0.5068,
0.4059

 15.1920, 0.4780,
0.4033

 16.9487, 0.4486,
0.3966

 18.9285, 0.4202,
0.3872

 21.1401, 0.3938,
0.3761

■ 23.5920, 0.3699,
0.3643

■ 26.2917, 0.3487,
0.3524

■ 29.2468, 0.3302,
0.3409

■ 32.4642, 0.3141,
0.3300

Harmonies

Analogous

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



12.3080, 0.5318, 0.3276



12.3080, 0.5329, 0.4036



12.3080, 0.4685, 0.4853

Triad

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



12.3080, 0.5329, 0.4036



12.3080, 0.1791, 0.4011



12.3080, 0.2192, 0.1701

Complementary

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



12.3080, 0.5329, 0.4036



10.1235, 0.1892, 0.1928

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.



12.3080, 0.1549, 0.1656



12.3080, 0.5329, 0.4036



12.3080, 0.1335, 0.2696

Square

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



12.3080, 0.5329, 0.4036



12.3080, 0.2664, 0.5276



12.3080, 0.1275, 0.1941



12.3080, 0.3245, 0.2026

Rectangle

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



12.3080, 0.5329, 0.4036



12.3080, 0.4058, 0.5329



12.3080, 0.1275, 0.1941



12.3080, 0.1932, 0.1654

Sweetspot

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



12.3087, 0.5329, 0.4036



43.8469, 0.3624, 0.3602



8.0909, 0.4472, 0.2306



9.5899, 0.3693, 0.3640



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.



12.3087, 0.5329, 0.4036



19.7875, 0.5572, 0.3957



27.4362, 0.4275, 0.4925



6.6542, 0.3273, 0.3390



9.1123, 0.5528, 0.3993



0.2073, 0.4876, 0.4510

Inverse Universe

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



10.1235, 0.1892, 0.1928



15.7119, 0.1820, 0.1751



3.0912, 0.1573, 0.0758



6.5646, 0.2989, 0.3188



7.2946, 0.1832, 0.1794



0.1816, 0.2025, 0.2491

Previews

White Background



This preview shows how the Yxy color 12.3080, 0.5329, 0.4036 looks on a white background.

Color Contrast Check

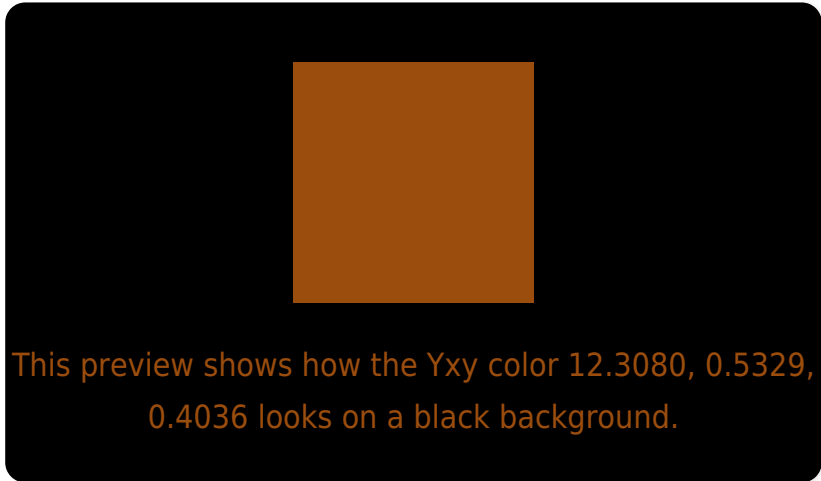
Large Text (above 18pt) WCAG AA ✓ Pass

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

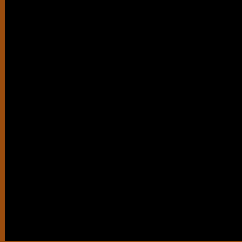
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3080, 0.5329, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 12.3080, 0.5329, 0.4036.



This preview shows how white text looks on a background with the Yxy color 12.3080, 0.5329, 0.4036.

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

12.3080, 0.5329, 0.4036

Protanopia

12.4189, 0.4309, 0.4748

Deuteranopia

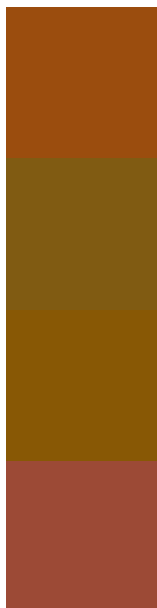
12.3654, 0.4692, 0.4656



Tritanopia

12.3387, 0.4576, 0.3215

Trichromacy



Original Color

12.3080, 0.5329, 0.4036

Protanomaly

12.1150, 0.4705, 0.4470

Deuteranomaly

12.2246, 0.4939, 0.4417

Tritanomaly

12.2318, 0.4945, 0.3595

Monochromacy



Original Color

12.3080, 0.5329, 0.4036

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8996, 0.4008, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3080, 0.5329, 0.4036 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, 77, 14)` looks like.

```
.text, #text, p{  
    color:rgb(155, 77, 14)  
}
```

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, 77, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 77, 14) }
```

Border

The CSS property to change the border of an element to Yxy 12.3080, 0.5329, 0.4036 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, 77, 14) }
```

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

```
.border{ border-color:rgb(155, 77, 14) }
```

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

Here you see how a box with a 4 pixel rgb(155, 77, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 77, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 77, 14);  
box-shadow:4px 4px 4px 4px rgb(155, 77,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3080, 0.5329, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 77, 14) }
```

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

```
.background{ background-color: rgb(155, 77,  
14) }
```

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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