

Converting Colors

$Y_{xy}(11.9043, 0.5706, 0.4294)$

Have a look what the booklet for
Yxy(11.9043, 0.5706, 0.4294)
contains.

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Color

Yxy(12.0007, 0.5434, 0.4067)

Conversions

Conversions Part 1

Format	Color
Hex	9B4B00
RGB	155, 75, 0
RGB Percent	61%, 29%, 0%
CMY	0.3921, 0.7059, 0.9998
CMYK	0.00, 0.52, 1.00, 0.39
HSL	29°, 100%, 30%
HSV	29°, 100%, 61%
XYZ	16.0344, 12.0007, 1.4724
YIQ	90.3700, 71.7550, -6.3650

Conversions

Conversions Part 2

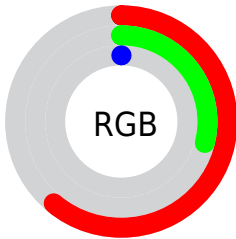
Format	Color
R_{YB}	155, 145, 0
Decimal	10177280
CIE Lab	41.22, 29.65, 51.00
CIE LCh	41, 58.993, 59.829
Yxy	12.0007, 0.5434, 0.4067
Android (android.graphics.Color)	4288367360 (0xFF9B4B00)
YUV	90.3700, -44.5524, 56.6805
Hunter-Lab	34.6420, 21.9968, 21.7294

Details

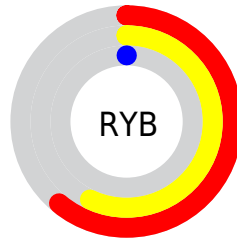
The Yxy color **12.0007, 0.5434, 0.4067** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.1109, 0.1793, 0.1655**, and the grayscale version is **10.4036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3998, 0.4942, 0.4028**, and **3.3719, 0.5883, 0.3711** is the 20% darker color. If you saturate the color by 10%, you get **11.9982, 0.5435, 0.4067**, and if you desaturate by 10%, it is **13.1921, 0.5214, 0.4118**.

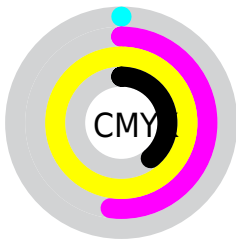
Distribution



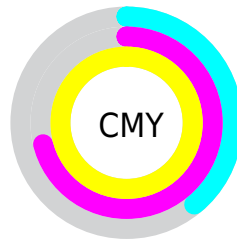
- Red (61%)
- Green (29%)
- Blue (0%)



- Red (61%)
- Yellow (57%)
- Blue (0%)



- Cyan (0%)
- Magenta (52%)
- Yellow (100%)
- Black (39%)





- Cyan (39%)
- Magenta (71%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0007, 0.5434, 0.4067 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 12.0007, 0.5434, 0.4067 by changing the saturation by 10% instead.


 12.0007, 0.5434,
0.4067

 12.0007, 0.5434,
0.4067

 204.4099, 0.4120,
0.3780

 6.7442, 0.5814,
0.4067


 29.4964, 0.4944,
0.4027

 3.3026, 0.6125,
0.3875

 42.5043, 0.4759,
0.3988


 1.2917, 0.6514,
0.3486

 58.8648, 0.4606,
0.3947

 0.1348, 0.8634,
0.1366

 78.9623, 0.4476,
0.3908

 0.0000, 0.0000,
0.0000

 103.1812, 0.4367,
0.3872


 131.9058, 0.4272,


0.3838


 165.5206, 0.4191,
0.3808

 12.0007, 0.5434,
0.4067


 12.0007, 0.5434,
0.4067


 11.9982, 0.5435,
0.4067

 13.1921, 0.5214,
0.4118

 14.5513, 0.4968,
0.4129

 16.0958, 0.4697,
0.4090

 17.8349, 0.4420,
0.4012

 19.7771, 0.4150,
0.3907

■ 21.9299, 0.3899,
0.3786

■ 24.3009, 0.3670,
0.3659

■ 26.8966, 0.3465,
0.3531

■ 29.7237, 0.3285,
0.3407

Harmonies

Analogous

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



12.0007, 0.5485, 0.3278



12.0007, 0.5434, 0.4067



12.0007, 0.4709, 0.4944

Triad

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



12.0007, 0.5434, 0.4067



12.0007, 0.1673, 0.3997



12.0007, 0.2167, 0.1627

Complementary

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



12.0007, 0.5434, 0.4067



8.1109, 0.1793, 0.1655

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.



12.0007, 0.1484, 0.1565



12.0007, 0.5434, 0.4067



12.0007, 0.1228, 0.2597

Square

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



12.0007, 0.5434, 0.4067



12.0007, 0.2568, 0.5414



12.0007, 0.1188, 0.1835



12.0007, 0.3298, 0.1974

Rectangle

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



12.0007, 0.5434, 0.4067



12.0007, 0.4033, 0.5469



12.0007, 0.1188, 0.1835



12.0007, 0.1890, 0.1574

Sweetspot

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



12.0014, 0.5434, 0.4067



43.2464, 0.3683, 0.3667



7.5506, 0.4861, 0.2452



9.4027, 0.3771, 0.3717



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.



12.0014, 0.5434, 0.4067



21.1121, 0.5464, 0.4044



29.5623, 0.4222, 0.5030



6.6911, 0.3272, 0.3398



9.7124, 0.5422, 0.4077



0.2176, 0.4809, 0.4564

Inverse Universe

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



8.1109, 0.1793, 0.1655



14.1396, 0.1784, 0.1623



2.4240, 0.1504, 0.0613



6.5273, 0.2989, 0.3180



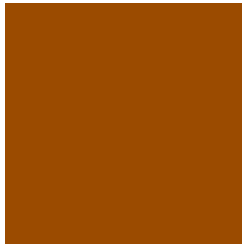
6.5884, 0.1797, 0.1668



0.1713, 0.2002, 0.2407

Previews

White Background



This preview shows how the Yxy color 12.0007, 0.5434, 0.4067 looks on a white background.

Color Contrast Check

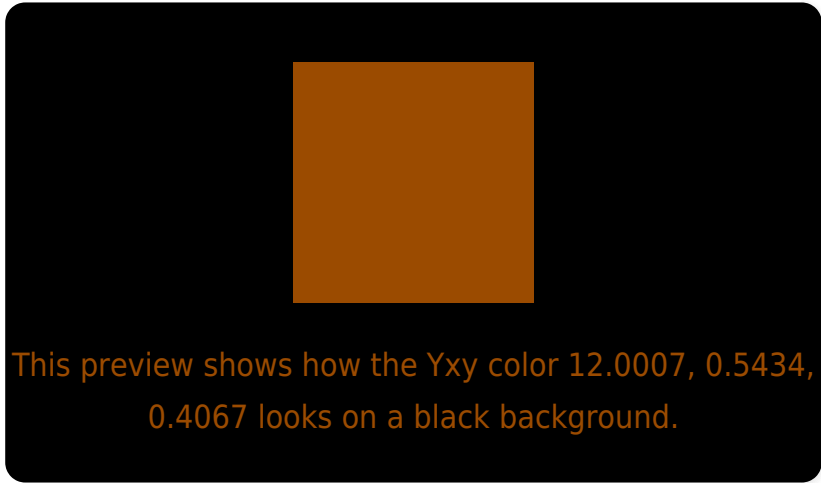
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0007, 0.5434, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 12.0007, 0.5434, 0.4067.



This preview shows how white text looks on a background with the Yxy color 12.0007, 0.5434, 0.4067.

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

12.0007, 0.5434, 0.4067

Protanopia

12.0821, 0.4328, 0.4807

Deuteranopia

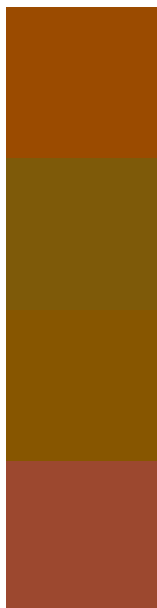
12.1138, 0.4696, 0.4653



Tritanopia

12.0428, 0.4651, 0.3232

Trichromacy



Original Color

12.0007, 0.5434, 0.4067

Protanomaly

11.7677, 0.4742, 0.4533

Deuteranomaly

11.8065, 0.4988, 0.4421

Tritanomaly

11.9079, 0.5079, 0.3657

Monochromacy



Original Color

12.0007, 0.5434, 0.4067

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.3698, 0.4109, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0007, 0.5434, 0.4067 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, 75, 0)` looks like.

```
.text, #text, p{  
  color:rgb(155, 75, 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, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 75, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.0007, 0.5434, 0.4067 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, 75, 0) }
```

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

```
.border{ border-color:rgb(155, 75, 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, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0007, 0.5434, 0.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 75, 0) }
```

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

```
.background{ background-color: rgb(155, 75,  
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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