

Converting Colors

$Y_{xy}(13.1412, 0.5292, 0.4180)$

Have a look what the booklet for
Yxy(13.1412, 0.5292, 0.4180)
contains.

Yxy(13.1551, 0.5285, 0.4186)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.1551, 0.5285, 0.4186)

Conversions

Conversions Part 1

Format	Color
Hex	9B5300
RGB	155, 83, 0
RGB Percent	61%, 33%, 0%
CMY	0.3922, 0.6745, 1.0000
CMYK	0.00, 0.46, 1.00, 0.39
HSL	32°, 100%, 30%
HSV	32°, 100%, 61%
XYZ	16.6089, 13.1551, 1.6625
YIQ	95.0660, 69.5550, -10.5490

Conversions

Conversions Part 2

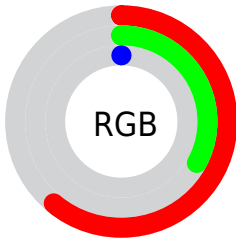
Format	Color
R_{YB}	134, 155, 0
Decimal	10179328
CIE _{Lab}	43.00, 25.24, 52.10
CIE _{LCh}	43, 57.894, 64.150
Yxy	13.1551, 0.5285, 0.4186
Android (android.graphics.Color)	4288369408 (0xFF9B5300)
YUV	95.0660, -46.8675, 52.5621
Hunter-Lab	36.2700, 18.2669, 22.6714

Details

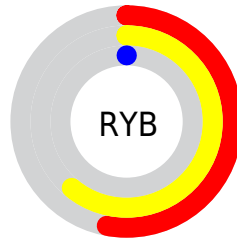
The Yxy color **13.1551, 0.5285, 0.4186** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.9974, 0.1746, 0.1484**, and the grayscale version is **11.5634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5276, 0.4839, 0.4103**, and **3.8031, 0.5671, 0.3879** is the 20% darker color. If you saturate the color by 10%, you get **13.1559, 0.5285, 0.4186**, and if you desaturate by 10%, it is **14.3512, 0.5088, 0.4226**.

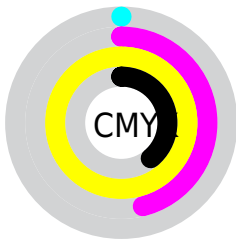
Distribution



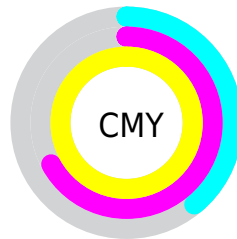
- Red (61%)
- Green (33%)
- Blue (0%)



- Red (53%)
- Yellow (61%)
- Blue (0%)



- Cyan (0%)
- Magenta (46%)
- Yellow (100%)
- Black (39%)





- Cyan (39%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1551, 0.5285, 0.4186 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 13.1551, 0.5285, 0.4186 by changing the saturation by 10% instead.


 13.1551, 0.5285,
0.4186


 13.1551, 0.5285,
0.4186


 211.9093, 0.4075,
0.3819


 7.5354, 0.5608,
0.4205


 31.5821, 0.4839,
0.4108

 3.7992, 0.5912,
0.4088

 45.1583, 0.4669,
0.4058


 1.5619, 0.6227,
0.3773

 62.1555, 0.4527,
0.4009

 0.3317, 0.7381,
0.2619


 82.9579, 0.4407,
0.3963


 0.0000, 0.0000,
0.0000


 107.9502, 0.4305,
0.3922


 137.5165, 0.4217,


0.3884

 172.0415, 0.4141,
0.3850


 13.1551, 0.5285,
0.4186


 13.1551, 0.5285,
0.4186

 13.1559, 0.5285,
0.4186

 14.3512, 0.5088,
0.4226

 15.6913, 0.4867,
0.4225

 17.1915, 0.4622,
0.4175

 18.8600, 0.4368,
0.4087

 20.7038, 0.4117,
0.3970

■ 22.7298, 0.3879,
0.3837

■ 24.9439, 0.3659,
0.3697

■ 27.3520, 0.3461,
0.3556

■ 29.9596, 0.3284,
0.3420

Harmonies

Analogous

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



13.1551, 0.5429, 0.3403



13.1551, 0.5285, 0.4186



13.1551, 0.4539, 0.5019

Triad

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



13.1551, 0.5285, 0.4186



13.1551, 0.1645, 0.3748



13.1551, 0.2339, 0.1715

Complementary

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



13.1551, 0.5285, 0.4186



6.9974, 0.1746, 0.1484

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.



13.1551, 0.1612, 0.1615



13.1551, 0.5285, 0.4186



13.1551, 0.1267, 0.2494

Square

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



13.1551, 0.5285, 0.4186



13.1551, 0.2462, 0.5153



13.1551, 0.1272, 0.1832



13.1551, 0.3478, 0.2092

Rectangle

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



13.1551, 0.5285, 0.4186



13.1551, 0.3874, 0.5465



13.1551, 0.1272, 0.1832



13.1551, 0.2049, 0.1650

Sweetspot

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



13.1559, 0.5285, 0.4186



44.4385, 0.3672, 0.3705



7.4394, 0.5070, 0.2567



9.6985, 0.3756, 0.3761



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.



13.1559, 0.5285, 0.4186



23.1841, 0.5311, 0.4165



29.9054, 0.4136, 0.5098



6.7431, 0.3271, 0.3409



10.6457, 0.5273, 0.4195



0.2319, 0.4722, 0.4632

Inverse Universe

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



6.9974, 0.1746, 0.1484



12.1638, 0.1736, 0.1451



2.3995, 0.1513, 0.0607



6.4755, 0.2989, 0.3168



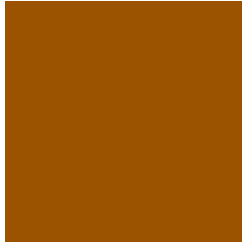
5.6963, 0.1750, 0.1499



0.1569, 0.1967, 0.2282

Previews

White Background



This preview shows how the Yxy color 13.1551, 0.5285, 0.4186 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



This preview shows how the Yxy color 13.1551, 0.5285, 0.4186 looks on a 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 13.1551, 0.5285, 0.4186

Background



This preview shows how black text looks on a background with the Yxy color 13.1551, 0.5285, 0.4186.



This preview shows how white text looks on a background with the Yxy color 13.1551, 0.5285, 0.4186.

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

13.1551, 0.5285, 0.4186

Protanopia

13.3744, 0.4330, 0.4829

Deuteranopia

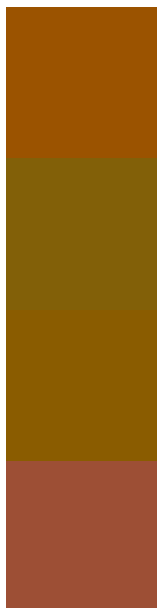
13.2165, 0.4694, 0.4655



Tritanopia

13.2014, 0.4437, 0.3198

Trichromacy



Original Color

13.1551, 0.5285, 0.4186

Protanomaly

13.1291, 0.4694, 0.4588

Deuteranomaly

13.0576, 0.4912, 0.4482

Tritanomaly

13.0171, 0.4909, 0.3685

Monochromacy



Original Color

13.1551, 0.5285, 0.4186

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5903, 0.4050, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1551, 0.5285, 0.4186 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, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 83, 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, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 83, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1551, 0.5285, 0.4186 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, 83, 0) }
```

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

```
.border{ border-color:rgb(155, 83, 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, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 83, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1551, 0.5285, 0.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 83, 0) }
```

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

```
.background{ background-color: rgb(155, 83,  
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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