

Converting Colors

$Y_{xy}(13.3491, 0.5572, 0.4428)$

Have a look what the booklet for
Yxy(13.3491, 0.5572, 0.4428)
contains.

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Color

Yxy(13.5087, 0.5288, 0.4183)

Conversions

Conversions Part 1

Format	Color
Hex	9D5400
RGB	157, 84, 0
RGB Percent	62%, 33%, 0%
CMY	0.3843, 0.6706, 0.9998
CMYK	0.00, 0.47, 1.00, 0.38
HSL	32°, 100%, 31%
HSV	32°, 100%, 62%
XYZ	17.0772, 13.5087, 1.7084
YIQ	96.2510, 70.4720, -10.6480

Conversions

Conversions Part 2

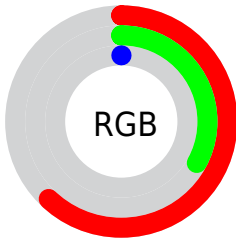
Format	Color
RYB	136, 157, 0
Decimal	10310656
CIELab	43.52, 25.59, 52.55
CIElCh	44, 58.450, 64.038
Yxy	13.5087, 0.5288, 0.4183
Android (android.graphics.Color)	4288500736 (0xFF9D5400)
YUV	96.2510, -47.4517, 53.2769
Hunter-Lab	36.7542, 18.6172, 22.9721

Details

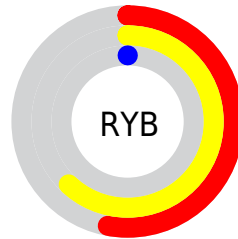
The Yxy color **13.5087, 0.5288, 0.4183** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.2078, 0.1746, 0.1485**, and the grayscale version is **11.8675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1074, 0.4846, 0.4105**, and **3.9758, 0.5669, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **13.5066, 0.5288, 0.4183**, and if you desaturate by 10%, it is **14.7395, 0.5091, 0.4224**.

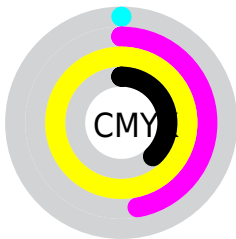
Distribution



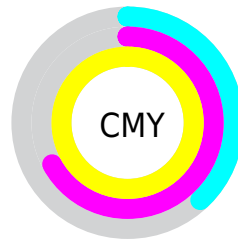
- Red (62%)
- Green (33%)
- Blue (0%)



- Red (53%)
- Yellow (62%)
- Blue (0%)



- Cyan (0%)
- Magenta (47%)
- Yellow (100%)
- Black (38%)




- Cyan (38%)
- Magenta (67%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5087, 0.5288, 0.4183 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 13.5087, 0.5288, 0.4183 by changing the saturation by 10% instead.


 13.5087, 0.5288,
0.4183


 13.5087, 0.5288,
0.4183


 214.1526, 0.4081,
0.3820


 7.7798, 0.5604,
0.4198


 32.2147, 0.4844,
0.4107


 3.9543, 0.5912,
0.4088

 45.9606, 0.4675,
0.4057

 1.6481, 0.6222,
0.3778

 63.1475, 0.4534,
0.4009

 0.3897, 0.7205,
0.2795

 84.1600, 0.4414,
0.3964


 0.0000, 0.0000,
0.0000

 109.3823, 0.4312,
0.3922


 139.1990, 0.4224,

0.3885


 173.9943, 0.4148,
0.3851

 13.5087, 0.5288,
0.4183


 13.5087, 0.5288,
0.4183

 13.5066, 0.5288,
0.4183

 14.7395, 0.5091,
0.4224

 16.1193, 0.4870,
0.4224

 17.6646, 0.4624,
0.4175

 19.3838, 0.4369,
0.4086

 21.2842, 0.4118,
0.3969

■ 23.3728, 0.3880,
0.3837

■ 25.6559, 0.3660,
0.3696

■ 28.1395, 0.3461,
0.3556

■ 30.8292, 0.3284,
0.3419

Harmonies

Analogous

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



13.5087, 0.5430, 0.3400



13.5087, 0.5288, 0.4183



13.5087, 0.4543, 0.5017

Triad

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



13.5087, 0.5288, 0.4183



13.5087, 0.1646, 0.3754



13.5087, 0.2335, 0.1714

Complementary

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



13.5087, 0.5288, 0.4183



7.2078, 0.1746, 0.1485

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.



13.5087, 0.1609, 0.1614



13.5087, 0.5288, 0.4183



13.5087, 0.1267, 0.2497

Square

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



13.5087, 0.5288, 0.4183



13.5087, 0.2465, 0.5159



13.5087, 0.1271, 0.1832



13.5087, 0.3474, 0.2090

Rectangle

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



13.5087, 0.5288, 0.4183



13.5087, 0.3878, 0.5465



13.5087, 0.1271, 0.1832



13.5087, 0.2045, 0.1649

Sweetspot

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



13.5094, 0.5288, 0.4183



45.6819, 0.3672, 0.3705



7.6553, 0.5072, 0.2568



9.6940, 0.3756, 0.3760



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.



13.5094, 0.5288, 0.4183



23.7974, 0.5314, 0.4162



30.7732, 0.4136, 0.5098



7.2041, 0.3272, 0.3410



11.0424, 0.5278, 0.4192



0.2817, 0.4754, 0.4607

Inverse Universe

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



7.2078, 0.1746, 0.1485



12.5249, 0.1737, 0.1452



2.4697, 0.1513, 0.0607



6.9184, 0.2988, 0.3167



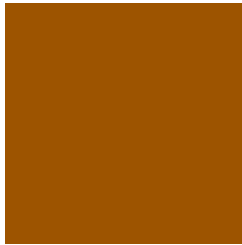
5.9235, 0.1750, 0.1499



0.1898, 0.1956, 0.2242

Previews

White Background



This preview shows how the Yxy color 13.5087, 0.5288, 0.4183 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 13.5087, 0.5288, 0.4183 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 13.5087, 0.5288, 0.4183

Background



This preview shows how black text looks on a background with the Yxy color 13.5087, 0.5288, 0.4183.



This preview shows how white text looks on a background with the Yxy color 13.5087, 0.5288, 0.4183.

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

13.5087, 0.5288, 0.4183

Protanopia

13.7116, 0.4345, 0.4820

Deuteranopia

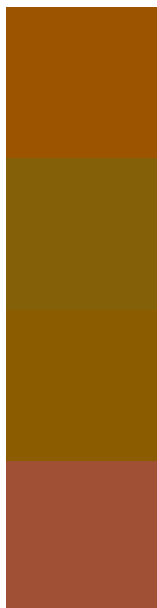
13.5607, 0.4704, 0.4647



Tritanopia

13.5625, 0.4439, 0.3199

Trichromacy



Original Color

13.5087, 0.5288, 0.4183

Protanomaly

13.4725, 0.4704, 0.4581

Deuteranomaly

13.4042, 0.4919, 0.4476

Tritanomaly

13.3653, 0.4922, 0.3694

Monochromacy



Original Color

13.5087, 0.5288, 0.4183

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8428, 0.4041, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5087, 0.5288, 0.4183 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(157, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 84, 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(157, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 84, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.5087, 0.5288, 0.4183 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(157, 84, 0) }
```

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

```
.border{ border-color:rgb(157, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 84, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5087, 0.5288, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 84, 0) }
```

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

```
.background{ background-color: rgb(157, 84,  
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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