

Converting Colors

$Y_{xy}(13.1283, 0.5738, 0.3826)$

Have a look what the booklet for
Yxy(13.1283, 0.5738, 0.3826)
contains.

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Color

Yxy(13.1283, 0.5738, 0.3826)

Conversions

Conversions Part 1

Format	Color
Hex	AF4300
RGB	175, 67, 0
RGB Percent	69%, 26%, 0%
CMY	0.3137, 0.7373, 1.0000
CMYK	0.00, 0.62, 1.00, 0.31
HSL	23°, 100%, 34%
HSV	23°, 100%, 69%
XYZ	19.6890, 13.1283, 1.4961
YIQ	91.6540, 85.8750, 2.0590

Conversions

Conversions Part 2

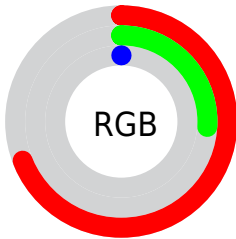
Format	Color
R_{YB}	175, 109, 0
Decimal	11485952
CIE _{Lab}	42.96, 41.73, 53.75
CIE _{LCh}	43, 68.041, 52.176
Yxy	13.1283, 0.5738, 0.3826
Android (android.graphics.Color)	4289676032 (0xFFAF4300)
YUV	91.6540, -45.1854, 73.0944
Hunter-Lab	36.2330, 33.5892, 22.9150

Details

The Yxy color **13.1283, 0.5738, 0.3826** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.8259, 0.1886, 0.1990**, and the grayscale version is **10.7095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6563, 0.5202, 0.3868**, and **3.7945, 0.6291, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **13.1291, 0.5738, 0.3826**, and if you desaturate by 10%, it is **14.5774, 0.5487, 0.3902**.

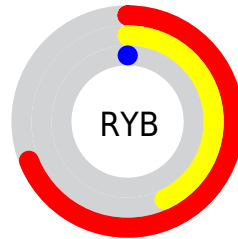
Distribution



Red (69%)

Green (26%)

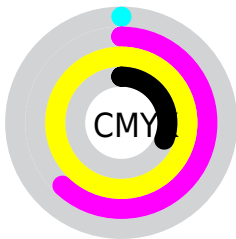
Blue (0%)



Red (69%)

Yellow (43%)

Blue (0%)

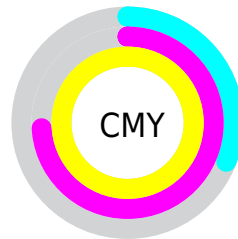


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1283, 0.5738, 0.3826 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 13.1283, 0.5738, 0.3826 by changing the saturation by 10% instead.


 13.1283, 0.5738,
0.3826

 13.1283, 0.5738,
0.3826


 211.7383, 0.4274,
0.3722


 7.5170, 0.6136,
0.3757


 31.5341, 0.5200,
0.3867

 3.7874, 0.6491,
0.3509


 45.0973, 0.4995,
0.3855


 1.5554, 0.6931,
0.3069

 62.0800, 0.4823,
0.3835

 0.3272, 0.8138,
0.1862

 82.8664, 0.4678,
0.3812


 0.0000, 1.0000,
0.0000

 107.8411, 0.4554,
0.3789


 0.0000, 0.0000,
0.0000


 137.3884, 0.4447,

0.3765


 171.8926, 0.4355,
0.3743

 13.1283, 0.5738,
0.3826

 13.1283, 0.5738,
0.3826


 13.1291, 0.5738,
0.3826

 14.5774, 0.5487,
0.3902

 16.3149, 0.5194,
0.3937

 18.3677, 0.4871,
0.3922

 20.7534, 0.4545,
0.3868

 23.4878, 0.4234,
0.3787

■ 26.5858, 0.3950,
0.3690

■ 30.0611, 0.3698,
0.3587

■ 33.9267, 0.3479,
0.3484

■ 38.1949, 0.3289,
0.3384

Harmonies

Analogous

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



13.1283, 0.5595, 0.3029



13.1283, 0.5738, 0.3826



13.1283, 0.5054, 0.4776

Triad

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



13.1283, 0.5738, 0.3826



13.1283, 0.1718, 0.4557



13.1283, 0.1840, 0.1450

Complementary

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



13.1283, 0.5738, 0.3826



13.8259, 0.1886, 0.1990

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.



13.1283, 0.1240, 0.1458



13.1283, 0.5738, 0.3826



13.1283, 0.1141, 0.2821

Square

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



13.1283, 0.5738, 0.3826



13.1283, 0.2759, 0.5921



13.1283, 0.1019, 0.1837



13.1283, 0.2942, 0.1741

Rectangle

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



13.1283, 0.5738, 0.3826



13.1283, 0.4342, 0.5439



13.1283, 0.1019, 0.1837



13.1283, 0.1590, 0.1418

Sweetspot

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



13.1291, 0.5738, 0.3826



53.4884, 0.3710, 0.3593



10.2600, 0.4399, 0.2197



11.3017, 0.3811, 0.3636



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.1291, 0.5738, 0.3826



23.1183, 0.5767, 0.3803



31.4685, 0.4448, 0.4850



8.4991, 0.3277, 0.3377



9.5116, 0.5717, 0.3842



0.3723, 0.5156, 0.4288

Inverse Universe

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



13.8259, 0.1886, 0.1990



24.3226, 0.1880, 0.1967



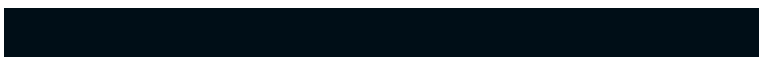
3.7220, 0.1530, 0.0707



8.5492, 0.2986, 0.3201



10.0209, 0.1891, 0.2006



0.3802, 0.2011, 0.2440

Previews

White Background



This preview shows how the Yxy color 13.1283, 0.5738, 0.3826 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 13.1283, 0.5738, 0.3826 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 13.1283, 0.5738, 0.3826

Background



This preview shows how black text looks on a background with the Yxy color 13.1283, 0.5738, 0.3826.



This preview shows how white text looks on a background with the Yxy color 13.1283, 0.5738, 0.3826.

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

13.1283, 0.5738, 0.3826

Protanopia

13.3890, 0.4305, 0.4792

Deuteranopia

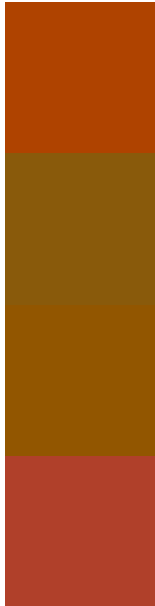
13.2165, 0.4694, 0.4655



Tritanopia

13.0687, 0.5118, 0.3245

Trichromacy



Original Color

13.1283, 0.5738, 0.3826

Protanomaly

12.6549, 0.4888, 0.4408

Deuteranomaly

12.7666, 0.5127, 0.4311

Tritanomaly

13.0641, 0.5467, 0.3543

Monochromacy



Original Color

13.1283, 0.5738, 0.3826

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.6399, 0.4236, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1283, 0.5738, 0.3826 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(175, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 67, 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(175, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 67, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1283, 0.5738, 0.3826 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(175, 67, 0) }
```

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

```
.border{ border-color:rgb(175, 67, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 67, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1283, 0.5738, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 67, 0) }
```

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

```
.background{ background-color: rgb(175, 67,  
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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