

Converting Colors

$Yxy(12.0214, 0.5733, 0.3830)$

Have a look what the booklet for
Yxy(12.0214, 0.5733, 0.3830)
contains.

Yxy(11.9916, 0.5738, 0.3826)	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(11.9916, 0.5738, 0.3826)

Conversions

Conversions Part 1

Format	Color
Hex	A84000
RGB	168, 64, 0
RGB Percent	66%, 25%, 0%
CMY	0.3411, 0.7491, 1.0000
CMYK	0.00, 0.62, 1.00, 0.34
HSL	23°, 100%, 33%
HSV	23°, 100%, 66%
XYZ	17.9843, 11.9916, 1.3665
YIQ	87.8000, 82.5280, 2.1440

Conversions

Conversions Part 2

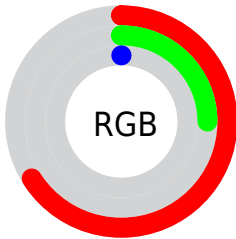
Format	Color
R_{YB}	168, 103, 0
Decimal	11026432
CIE _{Lab}	41.20, 40.48, 52.15
CIE _{LCh}	41, 66.018, 52.176
Yxy	11.9916, 0.5738, 0.3826
Android (android.graphics.Color)	4289216512 (0xFFA84000)
YUV	87.8000, -43.2854, 70.3354
Hunter-Lab	34.6289, 32.1021, 21.9005

Details

The Yxy color **11.9916, 0.5738, 0.3826** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.7331, 0.1889, 0.2001**, and the grayscale version is **9.7954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3603, 0.5190, 0.3862**, and **3.3401, 0.6314, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **11.9923, 0.5738, 0.3826**, and if you desaturate by 10%, it is **13.3166, 0.5484, 0.3900**.

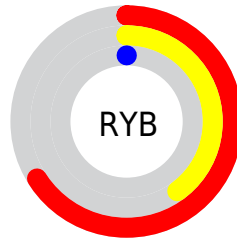
Distribution



Red (66%)

Green (25%)

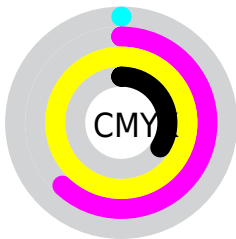
Blue (0%)



Red (66%)

Yellow (40%)

Blue (0%)

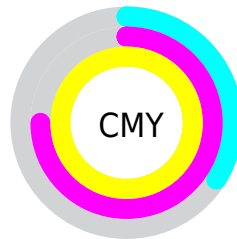


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (75%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9916, 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 11.9916, 0.5738, 0.3826 by changing the saturation by 10% instead.


 11.9916, 0.5738,
0.3826


 11.9916, 0.5738,
0.3826


 204.3497, 0.4253,
0.3717


 6.7380, 0.6170,
0.3766


 29.4798, 0.5186,
0.3867


 3.2988, 0.6513,
0.3487

 42.4832, 0.4978,
0.3853


 1.2896, 0.6983,
0.3017

 58.8385, 0.4804,
0.3832

 0.1332, 0.8959,
0.1041

 78.9303, 0.4657,
0.3809

 0.0000, 1.0000,
0.0000

 103.1430, 0.4533,
0.3784

 0.0000, 0.0000,
0.0000

 131.8608, 0.4426,

0.3761

165.4682, 0.4334,
0.3738

11.9916, 0.5738,
0.3826

11.9916, 0.5738,
0.3826

11.9923, 0.5738,
0.3826

13.3166, 0.5484,
0.3900

14.9046, 0.5190,
0.3933

16.7805, 0.4867,
0.3918

18.9602, 0.4541,
0.3864

21.4582, 0.4231,
0.3783

■ 24.2880, 0.3948,
0.3687

■ 27.4620, 0.3696,
0.3585

■ 30.9921, 0.3478,
0.3482

■ 34.8895, 0.3289,
0.3383

Harmonies

Analogous

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



11.9916, 0.5595, 0.3029



11.9916, 0.5738, 0.3826



11.9916, 0.5061, 0.4782

Triad

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



11.9916, 0.5738, 0.3826



11.9916, 0.1718, 0.4557



11.9916, 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.



11.9916, 0.5738, 0.3826



12.7331, 0.1889, 0.2001

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.



11.9916, 0.1240, 0.1458



11.9916, 0.5738, 0.3826



11.9916, 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.



11.9916, 0.5738, 0.3826



11.9916, 0.2759, 0.5921



11.9916, 0.1019, 0.1837



11.9916, 0.2942, 0.1741

Rectangle

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



11.9916, 0.5738, 0.3826



11.9916, 0.4348, 0.5446



11.9916, 0.1019, 0.1837



11.9916, 0.1590, 0.1418

Sweetspot

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



11.9923, 0.5738, 0.3826



49.4905, 0.3709, 0.3591



9.3756, 0.4395, 0.2195



10.2672, 0.3807, 0.3632



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



11.9923, 0.5738, 0.3826



21.3737, 0.5769, 0.3801



28.7651, 0.4447, 0.4851



7.9932, 0.3277, 0.3376



9.1471, 0.5720, 0.3840



0.3216, 0.5117, 0.4319

Inverse Universe

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



12.7331, 0.1889, 0.2001



22.6755, 0.1882, 0.1976



3.4170, 0.1531, 0.0710



8.0448, 0.2987, 0.3202



9.7149, 0.1893, 0.2015



0.3304, 0.2024, 0.2485

Previews

White Background



This preview shows how the Yxy color 11.9916, 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 11.9916, 0.5738, 0.3826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

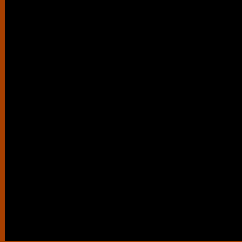
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9916, 0.5738, 0.3826

Background



This preview shows how black text looks on a background with the Yxy color 11.9916, 0.5738, 0.3826.



This preview shows how white text looks on a background with the Yxy color 11.9916, 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

11.9916, 0.5738, 0.3826

Protanopia

12.1553, 0.4327, 0.4771

Deuteranopia

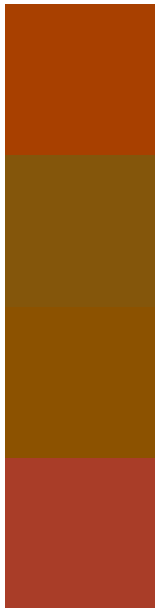
12.1138, 0.4696, 0.4653



Tritanopia

12.0256, 0.5111, 0.3256

Trichromacy



Original Color

11.9916, 0.5738, 0.3826

Protanomaly

11.5853, 0.4895, 0.4395

Deuteranomaly

11.6100, 0.5132, 0.4307

Tritanomaly

11.9257, 0.5468, 0.3541

Monochromacy



Original Color

11.9916, 0.5738, 0.3826

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.6594, 0.4247, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9916, 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(168, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 64, 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(168, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 64, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.9916, 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(168, 64, 0) }
```

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

```
.border{ border-color:rgb(168, 64, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 64, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 64, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9916, 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(168, 64, 0) }
```

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

```
.background{ background-color: rgb(168, 64,  
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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