

Converting Colors

$Y_{xy}(11.8278, 0.5798, 0.3956)$

Have a look what the booklet for
Yxy(11.8278, 0.5798, 0.3956)
contains.

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Color

Yxy(11.8958, 0.5682, 0.3870)

Conversions

Conversions Part 1

Format	Color
Hex	A54200
RGB	165, 66, 0
RGB Percent	65%, 26%, 0%
CMY	0.3529, 0.7412, 0.9998
CMYK	0.00, 0.60, 1.00, 0.35
HSL	24°, 100%, 32%
HSV	24°, 100%, 65%
XYZ	17.4656, 11.8958, 1.3771
YIQ	88.0770, 80.1900, 0.4620

Conversions

Conversions Part 2

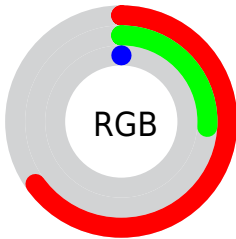
Format	Color
RYB	165, 110, 0
Decimal	10830336
CIELab	41.05, 38.36, 51.76
CIELCh	41, 64.427, 53.462
Yxy	11.8958, 0.5682, 0.3870
Android (android.graphics.Color)	4289020416 (0xFFA54200)
YUV	88.0770, -43.4220, 67.4615
Hunter-Lab	34.4903, 30.0330, 21.7759

Details

The Yxy color **11.8958, 0.5682, 0.3870** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.6501, 0.1871, 0.1936**, and the grayscale version is **9.8621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3293, 0.5144, 0.3895**, and **3.2911, 0.6230, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **11.8925, 0.5683, 0.3870**, and if you desaturate by 10%, it is **13.1946, 0.5433, 0.3940**.

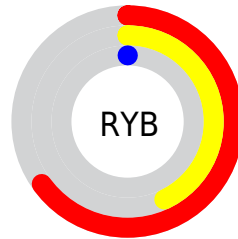
Distribution



Red (65%)

Green (26%)

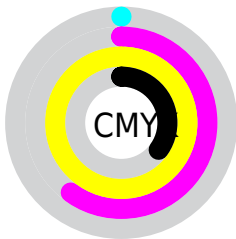
Blue (0%)



Red (65%)

Yellow (43%)

Blue (0%)

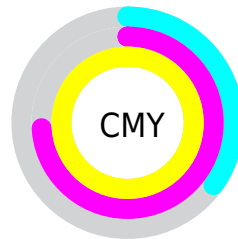


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (74%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8958, 0.5682, 0.3870 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 11.8958, 0.5682, 0.3870 by changing the saturation by 10% instead.


 11.8958, 0.5682,
0.3870


 11.8958, 0.5682,
0.3870


 203.7142, 0.4226,
0.3728


 6.6728, 0.6108,
0.3822


 29.3052, 0.5140,
0.3896


 3.2583, 0.6445,
0.3555

 42.2603, 0.4935,
0.3878


 1.2680, 0.6905,
0.3095

 58.5616, 0.4765,
0.3853

 0.1162, 0.9015,
0.0985


 78.5935, 0.4621,
0.3826


 0.0000, 0.0000,
0.0000

 102.7402, 0.4500,
0.3800


 131.3864, 0.4395,


0.3774


 164.9162, 0.4305,
0.3750

 11.8958, 0.5682,
0.3870


 11.8958, 0.5682,
0.3870

 11.8925, 0.5683,
0.3870

 13.1946, 0.5433,
0.3940

 14.7348, 0.5147,
0.3970

 16.5394, 0.4834,
0.3950

 18.6225, 0.4517,
0.3891

 20.9972, 0.4215,
0.3806

■ 23.6755, 0.3937,
0.3705

■ 26.6686, 0.3691,
0.3598

■ 29.9872, 0.3475,
0.3491

■ 33.6412, 0.3288,
0.3387

Harmonies

Analogous

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



11.8958, 0.5575, 0.3074



11.8958, 0.5682, 0.3870



11.8958, 0.4996, 0.4813

Triad

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



11.8958, 0.5682, 0.3870



11.8958, 0.1712, 0.4449



11.8958, 0.1897, 0.1482

Complementary

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



11.8958, 0.5682, 0.3870



11.6501, 0.1871, 0.1936

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.



11.8958, 0.1283, 0.1478



11.8958, 0.5682, 0.3870



11.8958, 0.1158, 0.2779

Square

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



11.8958, 0.5682, 0.3870



11.8958, 0.2727, 0.5831



11.8958, 0.1050, 0.1837



11.8958, 0.3005, 0.1783

Rectangle

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



11.8958, 0.5682, 0.3870



11.8958, 0.4289, 0.5451



11.8958, 0.1050, 0.1837



11.8958, 0.1642, 0.1447

Sweetspot

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



11.8965, 0.5682, 0.3870



47.4333, 0.3704, 0.3605



8.9553, 0.4459, 0.2230



9.8904, 0.3800, 0.3648



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



11.8965, 0.5682, 0.3870



20.9251, 0.5713, 0.3845



28.4822, 0.4412, 0.4879



7.5291, 0.3275, 0.3380



9.0893, 0.5665, 0.3884



0.2821, 0.5036, 0.4383

Inverse Universe

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



11.6501, 0.1871, 0.1936



20.4491, 0.1864, 0.1910



3.1929, 0.1526, 0.0693



7.5337, 0.2987, 0.3198



8.9096, 0.1875, 0.1951



0.2760, 0.2026, 0.2492

Previews

White Background



This preview shows how the Yxy color 11.8958, 0.5682, 0.3870 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 11.8958, 0.5682, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 11.8958, 0.5682, 0.3870.



This preview shows how white text looks on a background with the Yxy color 11.8958, 0.5682, 0.3870.

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

11.8958, 0.5682, 0.3870

Protanopia

12.0878, 0.4317, 0.4791

Deuteranopia

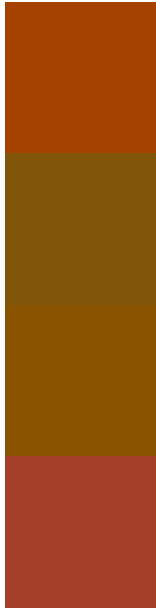
12.0397, 0.4682, 0.4665



Tritanopia

11.9346, 0.5040, 0.3241

Trichromacy



Original Color

11.8958, 0.5682, 0.3870

Protanomaly

11.4233, 0.4872, 0.4421

Deuteranomaly

11.5898, 0.5087, 0.4343

Tritanomaly

11.8221, 0.5399, 0.3565

Monochromacy



Original Color

11.8958, 0.5682, 0.3870

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.7358, 0.4217, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8958, 0.5682, 0.3870 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(165, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 66, 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(165, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 66, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.8958, 0.5682, 0.3870 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(165, 66, 0) }
```

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

```
.border{ border-color:rgb(165, 66, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 66, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 66, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8958, 0.5682, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 66, 0) }
```

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

```
.background{ background-color: rgb(165, 66,  
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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