

Converting Colors

$Y_{xy}(11.3735, 0.5866, 0.3724)$

Have a look what the booklet for
Yxy(11.3735, 0.5866, 0.3724)
contains.

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Color

Yxy(11.4723, 0.5862, 0.3728)

Conversions

Conversions Part 1

| Format | Color |
|---------------|--------------------------|
| Hex | AA3900 |
| RGB | 170, 57, 0 |
| RGB Percent | 67%, 22%, 0% |
| CMY | 0.3334, 0.7764, 1.0000 |
| CMYK | 0.00, 0.66, 1.00, 0.33 |
| HSL | 20°, 100%, 33% |
| HSV | 20°, 100%, 67% |
| XYZ | 18.0393, 11.4723, 1.2617 |
| YIQ | 84.2890, 85.6450, 6.2290 |

Conversions

Conversions Part 2

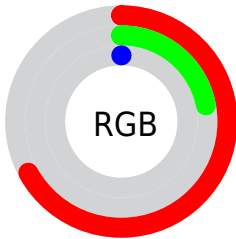
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 170, 86, 0 |
| Decimal | 11155712 |
| CIE Lab | 40.36, 44.39, 51.92 |
| CIE LCh | 40, 68.311, 49.473 |
| Yxy | 11.4723, 0.5862, 0.3728 |
| Android (android.graphics.Color) | 4289345792 (0xFFAA3900) |
| YUV | 84.2890, -41.5545, 75.1685 |
| Hunter-Lab | 33.8708, 35.7939, 21.5010 |

Details

The Yxy color **11.4723, 0.5862, 0.3728** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.7070, 0.1934, 0.2162**, and the grayscale version is **9.0046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5273, 0.5287, 0.3795**, and **3.2512, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.4731, 0.5862, 0.3728**, and if you desaturate by 10%, it is **12.7580, 0.5597, 0.3806**.

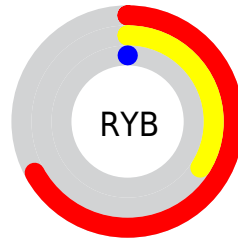
Distribution



Red (67%)

Green (22%)

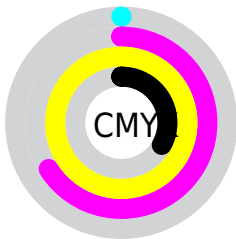
Blue (0%)



Red (67%)

Yellow (34%)

Blue (0%)

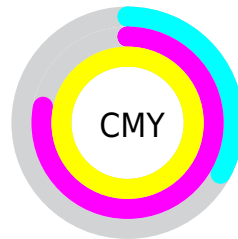


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (78%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4723, 0.5862, 0.3728 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 11.4723, 0.5862, 0.3728 by changing the saturation by 10% instead.


 11.4723, 0.5862,
0.3728


 11.4723, 0.5862,
0.3728


 200.8798, 0.4299,
0.3689


 6.3855, 0.6333,
0.3650


 28.5303, 0.5280,
0.3801


 3.0808, 0.6676,
0.3324

 41.2702, 0.5060,
0.3797


 1.1741, 0.7188,
0.2812

 57.3300, 0.4877,
0.3784

 0.0404, 0.9662,
0.0338

 77.0939, 0.4723,
0.3766


 0.0000, 1.0000,
0.0000


 100.9465, 0.4592,
0.3746

 0.0000, 0.0000,
0.0000


 129.2720, 0.4480,

0.3727


 162.4550, 0.4384,
0.3707

 11.4723, 0.5862,
0.3728


 11.4723, 0.5862,
0.3728


 11.4731, 0.5862,
0.3728

 12.7580, 0.5597,
0.3806

 14.3413, 0.5284,
0.3846

 16.2509, 0.4940,
0.3840

 18.5060, 0.4592,
0.3796

 21.1242, 0.4264,
0.3726

■ 24.1217, 0.3968,
0.3641

■ 27.5135, 0.3707,
0.3551

■ 31.3139, 0.3482,
0.3460

■ 35.5364, 0.3290,
0.3372

Harmonies

Analogous

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



11.4723, 0.5638, 0.2930



11.4723, 0.5862, 0.3728



11.4723, 0.5212, 0.4718

Triad

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



11.4723, 0.5862, 0.3728



11.4723, 0.1730, 0.4806



11.4723, 0.1716, 0.1380

Complementary

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



11.4723, 0.5862, 0.3728



14.7070, 0.1934, 0.2162

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.



11.4723, 0.1146, 0.1413



11.4723, 0.5862, 0.3728



11.4723, 0.1102, 0.2920

Square

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



11.4723, 0.5862, 0.3728



11.4723, 0.2823, 0.6110



11.4723, 0.0952, 0.1834



11.4723, 0.2802, 0.1649

Rectangle

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



11.4723, 0.5862, 0.3728



11.4723, 0.4486, 0.5441



11.4723, 0.0952, 0.1834



11.4723, 0.1476, 0.1356

Sweetspot

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



11.4731, 0.5862, 0.3728



49.5713, 0.3720, 0.3556



9.7449, 0.4266, 0.2124



10.4764, 0.3823, 0.3593



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



11.4731, 0.5862, 0.3728



20.4584, 0.5893, 0.3703



27.7904, 0.4519, 0.4794



7.9382, 0.3278, 0.3366



8.5343, 0.5842, 0.3743



0.3015, 0.5217, 0.4240

Inverse Universe

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



14.7070, 0.1934, 0.2162



26.2705, 0.1928, 0.2140



3.7483, 0.1543, 0.0753



8.1018, 0.2987, 0.3213



10.9254, 0.1938, 0.2175



0.3543, 0.2052, 0.2587

Previews

White Background



This preview shows how the Yxy color 11.4723, 0.5862, 0.3728 looks on a white background.

Color Contrast Check

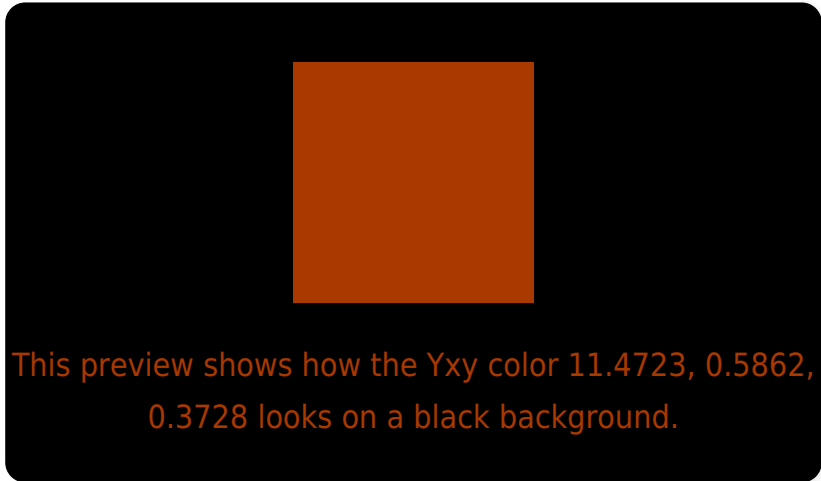
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.4723, 0.5862, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 11.4723, 0.5862, 0.3728.



This preview shows how white text looks on a background with the Yxy color 11.4723, 0.5862, 0.3728.

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

11.4723, 0.5862, 0.3728

Protanopia

11.5976, 0.4305, 0.4766

Deuteranopia

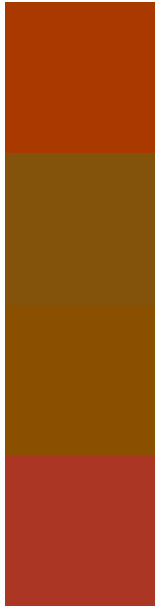
11.5471, 0.4690, 0.4658



Tritanopia

11.4897, 0.5330, 0.3260

Trichromacy



Original Color

11.4723, 0.5862, 0.3728

Protanomaly

10.8840, 0.4959, 0.4339

Deuteranomaly

11.0809, 0.5180, 0.4269

Tritanomaly

11.4236, 0.5627, 0.3487

Monochromacy



Original Color

11.4723, 0.5862, 0.3728

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.7994, 0.4326, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4723, 0.5862, 0.3728 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(170, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 57, 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(170, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 57, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.4723, 0.5862, 0.3728 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(170, 57, 0) }
```

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

```
.border{ border-color:rgb(170, 57, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 57, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 57, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.4723, 0.5862, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 57, 0) }
```

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

```
.background{ background-color: rgb(170, 57,  
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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