

Converting Colors

$Y_{xy}(11.5799, 0.5223, 0.3640)$

Have a look what the booklet for
Yxy(11.5799, 0.5223, 0.3640)
contains.

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Color

Yxy(11.5778, 0.5217, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	9E442B
RGB	158, 68, 43
RGB Percent	62%, 27%, 17%
CMY	0.3804, 0.7333, 0.8314
CMYK	0.00, 0.57, 0.73, 0.38
HSL	13°, 57%, 39%
HSV	13°, 73%, 62%
XYZ	16.6029, 11.5778, 3.6439
YIQ	92.0600, 61.6650, 11.3050

Conversions

Conversions Part 2

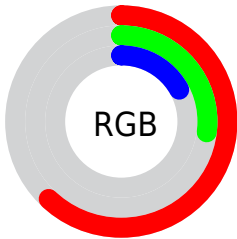
Format	Color
RYB	158, 75, 43
Decimal	10372139
CIELab	40.54, 35.81, 33.03
CIELCh	41, 48.713, 42.686
Yxy	11.5778, 0.5217, 0.3638
Android (android.graphics.Color)	4288562219 (0xFF9E442B)
YUV	92.0600, -24.1866, 57.8294
Hunter-Lab	34.0262, 27.5524, 17.4688

Details

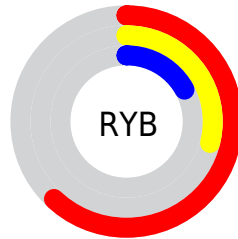
The Yxy color **11.5778, 0.5217, 0.3638** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.7494, 0.2201, 0.2796**, and the grayscale version is **10.7638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8373, 0.4701, 0.3629**, and **3.1676, 0.6150, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **10.1430, 0.5602, 0.3620**, and if you desaturate by 10%, it is **13.3742, 0.4817, 0.3624**.

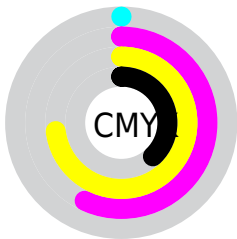
Distribution



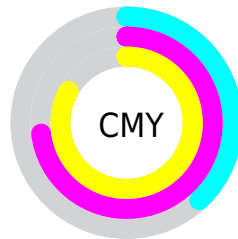
- Red (62%)
- Green (27%)
- Blue (17%)



- Red (62%)
- Yellow (29%)
- Blue (17%)



- Cyan (0%)
- Magenta (57%)
- Yellow (73%)
- Black (38%)




- Cyan (38%)
- Magenta (73%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5778, 0.5217, 0.3638 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 11.5778, 0.5217, 0.3638 by changing the saturation by 10% instead.


 11.5778, 0.5217,
0.3638


 11.5778, 0.5217,
0.3638


 201.5898, 0.3953,
0.3525

 6.4569, 0.5601,
0.3600


 28.7238, 0.4702,
0.3632


 3.1248, 0.6252,
0.3558

 41.5176, 0.4525,
0.3616

 1.1973, 0.6827,
0.3173

 57.6379, 0.4382,
0.3599

 0.0595, 0.9401,
0.0599

 77.4691, 0.4265,
0.3582

 0.0000, 0.0000,
0.0000

 101.3954, 0.4168,
0.3566

 129.8014, 0.4085,

0.3552

163.0714, 0.4015,
0.3538

■ 11.5778, 0.5217,
0.3638

■ 11.5778, 0.5217,
0.3638

■ 10.1430, 0.5602,
0.3620

■ 13.3742, 0.4817,
0.3624

■ 9.0423, 0.5929,
0.3566

■ 15.5531, 0.4438,
0.3586

■ 8.4343, 0.6125,
0.3519

■ 18.1362, 0.4097,
0.3535

■ 21.1427, 0.3803,
0.3476

■ 24.5909, 0.3553,
0.3417

■ 28.4976, 0.3344,
0.3359

■ 32.8791, 0.3170,
0.3305

■ 37.7507, 0.3025,
0.3254

■ 43.1269, 0.2905,
0.3208

Harmonies

Analogous

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



11.5778, 0.4784, 0.2950



11.5778, 0.5217, 0.3638



11.5778, 0.4945, 0.4374

Triad

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



11.5778, 0.5217, 0.3638



11.5778, 0.2315, 0.4597



11.5778, 0.1909, 0.1765

Complementary

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



11.5778, 0.5217, 0.3638



19.7494, 0.2201, 0.2796

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.



11.5778, 0.1492, 0.1887



11.5778, 0.5217, 0.3638



11.5778, 0.1662, 0.3351

Square

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



11.5778, 0.5217, 0.3638



11.5778, 0.3249, 0.5292



11.5778, 0.1404, 0.2379



11.5778, 0.2689, 0.1932

Rectangle

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



11.5778, 0.5217, 0.3638



11.5778, 0.4484, 0.4853



11.5778, 0.1404, 0.2379



11.5778, 0.1731, 0.1771

Sweetspot

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



11.5784, 0.5217, 0.3638



44.9019, 0.3545, 0.3415



10.6911, 0.3612, 0.2011



9.7467, 0.3603, 0.3430



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



11.5784, 0.5217, 0.3638



17.1696, 0.5805, 0.3592



22.2141, 0.4424, 0.4483



6.8686, 0.3279, 0.3339



6.8054, 0.6112, 0.3529



0.1764, 0.5461, 0.4046

Inverse Universe

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



19.7494, 0.2201, 0.2796



32.5175, 0.2099, 0.2671



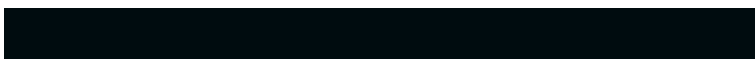
8.0921, 0.1898, 0.1580



7.2644, 0.2988, 0.3240



13.5061, 0.2053, 0.2589



0.2976, 0.2139, 0.2900

Previews

White Background



This preview shows how the Yxy color 11.5778, 0.5217, 0.3638 looks on a white background.

Color Contrast Check

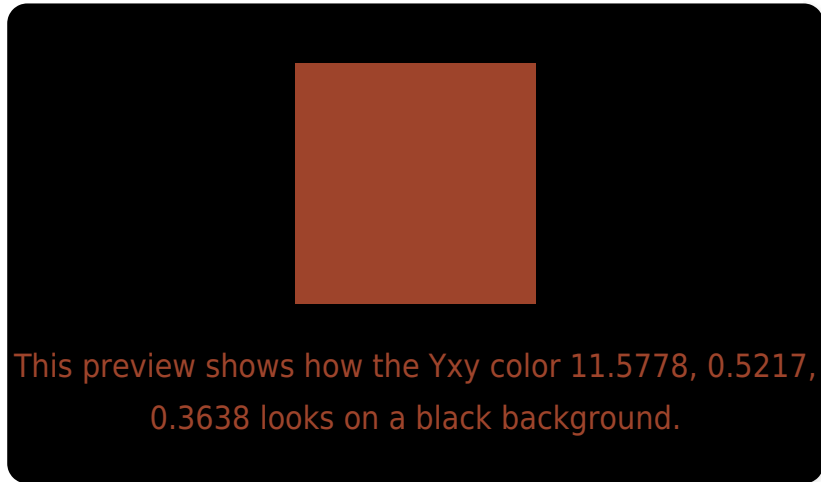
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.5778, 0.5217, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 11.5778, 0.5217, 0.3638.



This preview shows how white text looks on a background with the Yxy color 11.5778, 0.5217, 0.3638.

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

11.5778, 0.5217, 0.3638

Protanopia

11.6778, 0.3928, 0.4268

Deuteranopia

11.7873, 0.4385, 0.4335



Tritanopia

11.5812, 0.4822, 0.3235

Trichromacy



Original Color

11.5778, 0.5217, 0.3638

Protanomaly

11.2373, 0.4407, 0.4013

Deuteranomaly

11.4080, 0.4715, 0.4042

Tritanomaly

11.5936, 0.4979, 0.3383

Monochromacy



Original Color

11.5778, 0.5217, 0.3638

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.3939, 0.3869, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5778, 0.5217, 0.3638 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(158, 68, 43)` looks like.

```
.text, #text, p{  
    color:rgb(158, 68, 43)  
}
```

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(158, 68, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 68, 43) }
```

Border

The CSS property to change the border of an element to Yxy 11.5778, 0.5217, 0.3638 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(158, 68, 43) }
```

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

```
.border{ border-color:rgb(158, 68, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 68, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 68, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 68, 43);  
box-shadow:4px 4px 4px 4px rgb(158, 68,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5778, 0.5217, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 68, 43) }
```

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

```
.background{ background-color: rgb(158, 68,  
43) }
```

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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