

Converting Colors

$Y_{xy}(11.9992, 0.5744, 0.3678)$

Have a look what the booklet for
Yxy(11.9992, 0.5744, 0.3678)
contains.

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Color

Yxy(11.9423, 0.5746, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	AC3B12
RGB	172, 59, 18
RGB Percent	67%, 23%, 7%
CMY	0.3255, 0.7686, 0.9294
CMYK	0.00, 0.66, 0.90, 0.33
HSL	16°, 81%, 37%
HSV	16°, 90%, 67%
XYZ	18.6875, 11.9423, 1.8928
YIQ	88.1130, 80.5090, 11.2050

Conversions

Conversions Part 2

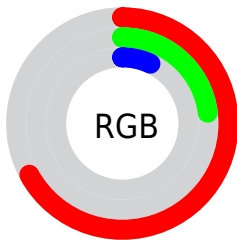
Format	Color
RYB	172, 74, 18
Decimal	11287314
CIELab	41.12, 44.52, 46.68
CIElCh	41, 64.504, 46.359
Yxy	11.9423, 0.5746, 0.3672
Android (android.graphics.Color)	4289477394 (0xFFAC3B12)
YUV	88.1130, -34.5657, 73.5689
Hunter-Lab	34.5576, 36.0503, 20.9429

Details

The Yxy color **11.9423, 0.5746, 0.3672** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.3442, 0.2051, 0.2509**, and the grayscale version is **9.8493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2547, 0.5171, 0.3726**, and **3.3795, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.7568, 0.6020, 0.3595**, and if you desaturate by 10%, it is **13.4800, 0.5408, 0.3717**.

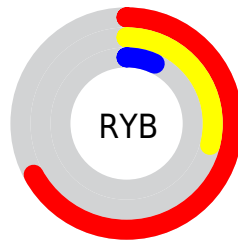
Distribution



Red (67%)

Green (23%)

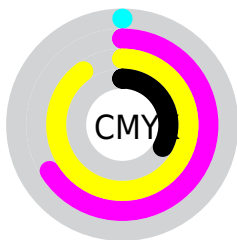
Blue (7%)



Red (67%)

Yellow (29%)

Blue (7%)

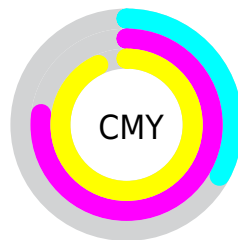


Cyan (0%)

Magenta (66%)

Yellow (90%)

Black (33%)



Cyan (33%)


Magenta (77%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9423, 0.5746, 0.3672 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 11.9423, 0.5746, 0.3672 by changing the saturation by 10% instead.


 11.9423, 0.5746,
0.3672


 11.9423, 0.5746,
0.3672


204.0229, 0.4226,
0.3628


 6.7044, 0.6162,
0.3578


 29.3900, 0.5164,
0.3727


 3.2779, 0.6650,
0.3350

 42.3685, 0.4951,
0.3722


 1.2785, 0.7145,
0.2855

 58.6961, 0.4775,
0.3710

 0.1245, 0.9101,
0.0899

 78.7571, 0.4628,
0.3694


 0.0000, 1.0000,
0.0000

 102.9359, 0.4503,
0.3677

 0.0000, 0.0000,
0.0000


 131.6168, 0.4397,

0.3660

 165.1844, 0.4306,
0.3643


 11.9423, 0.5746,
0.3672


 11.9423, 0.5746,
0.3672


 10.7568, 0.6020,
0.3595


 13.4800, 0.5408,
0.3717

 10.7084, 0.6032,
0.3592

 15.4017, 0.5031,
0.3720

 17.7335, 0.4653,
0.3688

 20.4983, 0.4299,
0.3634

 23.7175, 0.3984,
0.3567

■ 27.4107, 0.3711,
0.3495

■ 31.5966, 0.3479,
0.3422

■ 36.2925, 0.3284,
0.3352

■ 41.5153, 0.3120,
0.3287

Harmonies

Analogous

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



11.9423, 0.5394, 0.2896



11.9423, 0.5746, 0.3672



11.9423, 0.5205, 0.4575

Triad

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



11.9423, 0.5746, 0.3672



11.9423, 0.1919, 0.4874



11.9423, 0.1711, 0.1454

Complementary

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



11.9423, 0.5746, 0.3672



19.3442, 0.2051, 0.2509

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.



11.9423, 0.1197, 0.1525



11.9423, 0.5746, 0.3672



11.9423, 0.1243, 0.3117

Square

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



11.9423, 0.5746, 0.3672



11.9423, 0.3002, 0.5934



11.9423, 0.1043, 0.1996



11.9423, 0.2697, 0.1685

Rectangle

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



11.9423, 0.5746, 0.3672



11.9423, 0.4556, 0.5236



11.9423, 0.1043, 0.1996



11.9423, 0.1493, 0.1442

Sweetspot

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



11.9430, 0.5746, 0.3672



51.2028, 0.3660, 0.3480



10.9117, 0.3856, 0.1957



10.6159, 0.3742, 0.3504



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.



11.9430, 0.5746, 0.3672



19.1148, 0.6062, 0.3569



25.7292, 0.4609, 0.4636



8.3492, 0.3280, 0.3351



8.0475, 0.6014, 0.3606



0.3142, 0.5426, 0.4074

Inverse Universe

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



19.3442, 0.2051, 0.2509



32.1948, 0.1997, 0.2390



5.9855, 0.1666, 0.1092



8.7059, 0.2986, 0.3228



13.4557, 0.2005, 0.2417



0.4577, 0.2087, 0.2712

Previews

White Background



This preview shows how the Yxy color 11.9423, 0.5746, 0.3672 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 11.9423, 0.5746, 0.3672 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 11.9423, 0.5746, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 11.9423, 0.5746, 0.3672.



This preview shows how white text looks on a background with the Yxy color 11.9423, 0.5746, 0.3672.

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

11.9423, 0.5746, 0.3672

Protanopia

12.1342, 0.4233, 0.4667

Deuteranopia

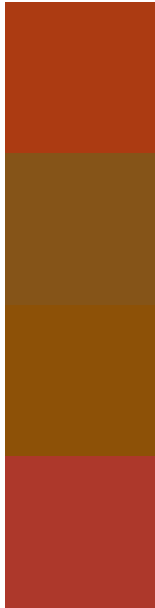
12.1138, 0.4696, 0.4653



Tritanopia

11.9221, 0.5295, 0.3260

Trichromacy



Original Color

11.9423, 0.5746, 0.3672

Protanomaly

11.3931, 0.4858, 0.4255

Deuteranomaly

11.5629, 0.5130, 0.4247

Tritanomaly

11.8870, 0.5524, 0.3441

Monochromacy



Original Color

11.9423, 0.5746, 0.3672

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.5886, 0.4177, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9423, 0.5746, 0.3672 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(172, 59, 18)` looks like.

```
.text, #text, p{  
    color:rgb(172, 59, 18)  
}
```

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(172, 59, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 59, 18) }
```

Border

The CSS property to change the border of an element to Yxy 11.9423, 0.5746, 0.3672 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(172, 59, 18) }
```

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

```
.border{ border-color:rgb(172, 59, 18) }
```

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

Here you see how a box with a 4 pixel rgb(172, 59, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 59, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 59, 18);  
box-shadow:4px 4px 4px 4px rgb(172, 59,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9423, 0.5746, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 59, 18) }
```

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

```
.background{ background-color: rgb(172, 59,  
18) }
```

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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