

Converting Colors

$Y_{xy}(14.8420, 0.5941, 0.3608)$

Have a look what the booklet for
Yxy(14.8420, 0.5941, 0.3608)
contains.

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Color

Yxy(14.7838, 0.5938, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	C43A0A
RGB	196, 58, 10
RGB Percent	77%, 23%, 4%
CMY	0.2314, 0.7725, 0.9605
CMYK	0.00, 0.70, 0.95, 0.23
HSL	15°, 90%, 40%
HSV	15°, 95%, 77%
XYZ	24.3310, 14.7838, 1.8603
YIQ	93.7900, 97.6560, 14.3280

Conversions

Conversions Part 2

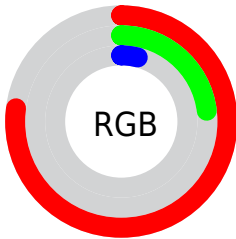
Format	Color
RYB	196, 75, 10
Decimal	12859914
CIELab	45.34, 53.09, 54.24
CIELCh	45, 75.902, 45.613
Yxy	14.7838, 0.5938, 0.3608
Android (android.graphics.Color)	4291049994 (0xFFC43A0A)
YUV	93.7900, -41.3085, 89.6382
Hunter-Lab	38.4497, 45.6679, 24.0462

Details

The Yxy color **14.7838, 0.5938, 0.3608** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **25.2409, 0.2029, 0.2476**, and the grayscale version is **11.2275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4291, 0.5332, 0.3710**, and **4.9865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.0628, 0.6066, 0.3565**, and if you desaturate by 10%, it is **16.5346, 0.5640, 0.3679**.

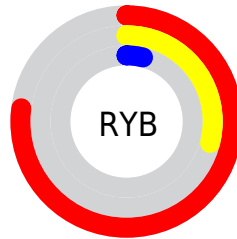
Distribution



Red (77%)

Green (23%)

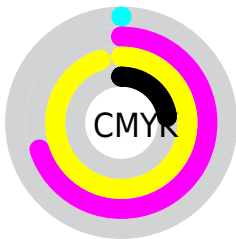
Blue (4%)



Red (77%)

Yellow (29%)

Blue (4%)

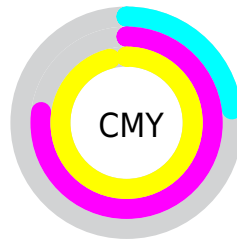


Cyan (0%)

Magenta (70%)

Yellow (95%)

Black (23%)



Cyan (23%)


Magenta (77%)


Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.7838, 0.5938, 0.3608 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 14.7838, 0.5938, 0.3608 by changing the saturation by 10% instead.


 14.7838, 0.5938,
0.3608


 14.7838, 0.5938,
0.3608


 222.0539, 0.4382,
0.3645

 8.6678, 0.6323,
0.3489


 34.4735, 0.5370,
0.3701


 4.5251, 0.6752,
0.3248

 48.8159, 0.5153,
0.3709


 1.9714, 0.7199,
0.2801

 66.6693, 0.4970,
0.3707

 0.5908, 0.7971,
0.2029

 88.4179, 0.4815,
0.3698

 0.0000, 1.0000,
0.0000


 114.4464, 0.4683,
0.3686


 0.0000, 0.0000,
0.0000

 145.1389, 0.4568,

0.3673


 180.8799, 0.4469,
0.3659


 14.7838, 0.5938,
0.3608


 14.7838, 0.5938,
0.3608


 14.0628, 0.6066,
0.3565

 16.5346, 0.5640,
0.3679

 18.7925, 0.5276,
0.3708

 21.5971, 0.4887,
0.3697

 24.9830, 0.4509,
0.3656

 28.9816, 0.4165,
0.3597

■ 33.6221, 0.3863,
0.3529

■ 38.9315, 0.3605,
0.3457

■ 44.9356, 0.3387,
0.3387

■ 51.6585, 0.3205,
0.3321

Harmonies

Analogous

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



14.7838, 0.5571, 0.2818



14.7838, 0.5938, 0.3608



14.7838, 0.5335, 0.4565

Triad

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



14.7838, 0.5938, 0.3608



14.7838, 0.1823, 0.5098



14.7838, 0.1594, 0.1341

Complementary

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



14.7838, 0.5938, 0.3608



25.2409, 0.2029, 0.2476

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.



14.7838, 0.1077, 0.1415



14.7838, 0.5938, 0.3608



14.7838, 0.1122, 0.3116

Square

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



14.7838, 0.5938, 0.3608



14.7838, 0.2961, 0.6205



14.7838, 0.0923, 0.1903



14.7838, 0.2619, 0.1574

Rectangle

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



14.7838, 0.5938, 0.3608



14.7838, 0.4629, 0.5305



14.7838, 0.0923, 0.1903



14.7838, 0.1374, 0.1330

Sweetspot

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



14.7847, 0.5938, 0.3608



66.9524, 0.3692, 0.3483



14.1390, 0.3916, 0.1954



13.4372, 0.3807, 0.3514



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



14.7847, 0.5938, 0.3608



25.1297, 0.6091, 0.3545



33.4125, 0.4671, 0.4639



10.4908, 0.3283, 0.3350



9.1569, 0.6042, 0.3584



0.5114, 0.5589, 0.3944

Inverse Universe

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



25.2409, 0.2029, 0.2476



43.7138, 0.2004, 0.2413



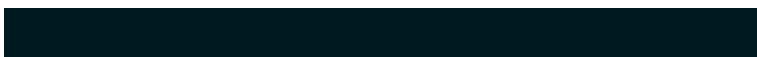
6.9319, 0.1615, 0.0971



10.9744, 0.2984, 0.3229



15.8056, 0.2011, 0.2441



0.7889, 0.2070, 0.2652

Previews

White Background



This preview shows how the Yxy color 14.7838, 0.5938, 0.3608 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 14.7838, 0.5938, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

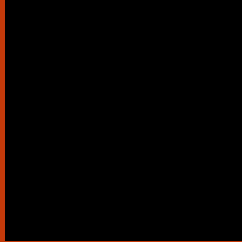
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7838, 0.5938, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 14.7838, 0.5938, 0.3608.



This preview shows how white text looks on a background with the Yxy color 14.7838, 0.5938, 0.3608.

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

14.7838, 0.5938, 0.3608

Protanopia

14.9286, 0.4301, 0.4737

Deuteranopia

14.9347, 0.4684, 0.4663



Tritanopia

14.7942, 0.5553, 0.3278

Trichromacy



Original Color

14.7838, 0.5938, 0.3608

Protanomaly

13.7489, 0.5000, 0.4252

Deuteranomaly

14.0943, 0.5227, 0.4203

Tritanomaly

14.7492, 0.5762, 0.3433

Monochromacy



Original Color

14.7838, 0.5938, 0.3608

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0690, 0.4340, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7838, 0.5938, 0.3608 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(196, 58, 10)` looks like.

```
.text, #text, p{  
    color:rgb(196, 58, 10)  
}
```

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(196, 58, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 58, 10) }
```

Border

The CSS property to change the border of an element to Yxy 14.7838, 0.5938, 0.3608 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(196, 58, 10) }
```

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

```
.border{ border-color:rgb(196, 58, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 58, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 58, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 58, 10);  
box-shadow:4px 4px 4px 4px rgb(196, 58,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7838, 0.5938, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 58, 10) }
```

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

```
.background{ background-color: rgb(196, 58,  
10) }
```

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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