

# Converting Colors

XYZ(24.3591, 16.0279, 1.9506)

Have a look what the booklet for  
XYZ(24.3591, 16.0279, 1.9506)  
contains.

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# Color

**XYZ(24.3371, 15.9831,  
1.9459)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C14805
RGB	193, 72, 5
RGB Percent	76%, 28%, 2%
CMY	0.2431, 0.7176, 0.9804
CMYK	0.00, 0.63, 0.97, 0.24
HSL	21°, 95%, 39%
HSV	21°, 97%, 76%
XYZ	24.3371, 15.9831, 1.9459
YIQ	100.5410, 93.6230, 4.8150

# Conversions

## Conversions Part 2

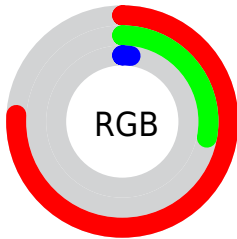
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 109, 5
Decimal	12666885
CIE Lab	46.95, 46.16, 56.25
CIE LCh	47, 72.762, 50.629
Yxy	15.9831, 0.5758, 0.3782
Android (android.graphics.Color)	4290856965 (0xFFC14805)
YUV	100.5410, -47.1017, 81.0865
Hunter-Lab	39.9789, 38.6987, 25.0994

# Details

The XYZ color **24.3371, 15.9831, 1.9459** 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 **17.1484, 18.8029, 53.1773**, and the grayscale version is **12.3526, 12.9958, 14.1525**.

A 20% lighter version of the original color is **49.4159, 36.2642, 8.8101**, and **9.5040, 5.1131, 0.4860** is the 20% darker color. If you saturate the color by 10%, you get **24.1073, 15.5676, 1.7342**, and if you desaturate by 10%, it is **25.3639, 17.8120, 2.9820**.

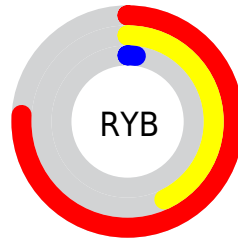
# Distribution



Red (76%)

Green (28%)

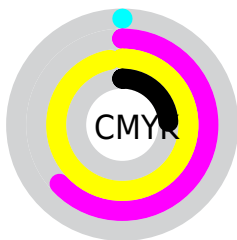
Blue (2%)



Red (76%)

Yellow (43%)

Blue (2%)

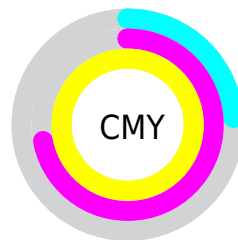


Cyan (0%)

Magenta (63%)

Yellow (97%)

Black (24%)



Cyan (24%)

Magenta (72%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3371, 15.9831, 1.9459 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 XYZ color 24.3371, 15.9831, 1.9459 by changing the saturation by 10% instead.



■ 24.3371, 15.9831,  
1.9459

■ 24.3371, 15.9831,  
1.9459

■ 266.9293,  
229.2420, 121.5310

■ 15.7100, 9.5122,  
0.5217

■ 50.0304, 36.5689,  
8.8924

■ 9.4087, 5.0767,  
0.0000

■ 67.8273, 51.4525,  
15.3160

■ 5.0679, 2.2924,  
0.0000

■ 89.4115, 69.9092,  
24.2646

■ 2.3223, 0.7697,  
0.0000

■ 115.1483, 92.3233,  
36.1566


■ 0.8061, 0.0000,  
0.0000


■ 145.4032,  
119.0793, 51.4108


■ 0.0000, 0.0000,  
0.0000


■ 180.5414,


150.5614, 70.4455


 220.9283,  
187.1542, 93.6794


 24.3371, 15.9831,  
1.9459

 24.3371, 15.9831,  
1.9459


 24.1073, 15.5676,  
1.7342

 25.3639, 17.8120,  
2.9820

 26.7002, 20.0379,  
4.8043

 28.3843, 22.6903,  
7.5720

 30.4447, 25.7932,  
11.3971

 32.9066, 29.3684,  
16.3756

■ 35.7927, 33.4359,  
22.5929

■ 39.1239, 38.0149,  
30.1260

■ 42.9194, 43.1229,  
39.0456

■ 47.1973, 48.7771,  
49.4174

# Harmonies

## Analogous

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



29.7391, 15.9831, 7.7552



24.3371, 15.9831, 1.9459



17.2696, 15.9831, 0.6405

# Triad

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



24.3371, 15.9831, 1.9459



6.0425, 15.9831, 12.3033



19.9165, 15.9831, 75.0070

# Complementary

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



24.3371, 15.9831, 1.9459



17.1484, 18.8029, 53.1773

# 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.



13.2871, 15.9831, 79.8121



24.3371, 15.9831, 1.9459



6.3843, 15.9831, 32.8751

# Square

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



24.3371, 15.9831, 1.9459



7.5672, 15.9831, 3.3041



8.6831, 15.9831, 60.9032



26.7325, 15.9831, 50.3843



# Rectangle

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



24.3371, 15.9831, 1.9459



13.0471, 15.9831, 0.6599



8.6831, 15.9831, 60.9032



17.5588, 15.9831, 79.4446

# Sweetspot

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



24.3374, 15.9840, 1.9462



68.7842, 66.3311, 50.9974



25.8904, 12.9835, 21.2888



14.2002, 13.4668, 9.6783



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



24.3374, 15.9840, 1.9462



42.9665, 27.4616, 3.0360



35.4387, 38.1865, 5.6466



10.3604, 10.6522, 10.5719



16.1034, 10.4926, 1.1765



0.7613, 0.5843, 0.0727



# Inverse Universe

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



17.1484, 18.8029, 53.1773



29.9552, 32.3270, 95.0212



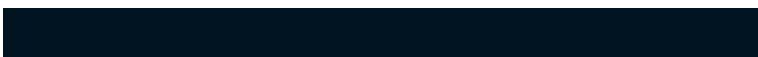
10.2377, 4.9815, 50.8737



10.0568, 10.8049, 12.8403



11.2915, 12.3396, 35.3433



0.5510, 0.6594, 1.5481



# Previews

## White Background



This preview shows how the XYZ color 24.3371, 15.9831, 1.9459 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 XYZ color 24.3371, 15.9831, 1.9459 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](#).

**XYZ 24.3371, 15.9831, 1.9459**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3371, 15.9831, 1.9459.



This preview shows how white text looks on a background with the XYZ color 24.3371, 15.9831,



# 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

24.3371, 15.9831, 1.9459

### Protanopia

14.5246, 16.0745, 2.9990

### Deuteranopia

16.1385, 15.9708, 2.2321



## Tritanopia

25.6502, 16.0713, 7.7114

# Trichromacy



## Original Color

24.3371, 15.9831, 1.9459

## Protanomaly

16.9386, 15.0679, 2.4676

## Deuteranomaly

18.5109, 15.4834, 2.0704

## Tritanomaly

24.8893, 15.9308, 4.4525

# Monochromacy



## Original Color

24.3371, 15.9831, 1.9459

## Achromatopsia

12.3695, 13.0136, 14.1719

## Achromatomaly

14.4710, 12.7740, 6.8572

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3371, 15.9831, 1.9459 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(193, 72, 5)` looks like.

```
.text, #text, p{  
    color:rgb(193, 72, 5)  
}
```

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(193, 72, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 72, 5) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3371, 15.9831, 1.9459 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(193, 72, 5) }
```



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

```
.border{ border-color:rgb(193, 72, 5) }
```

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

Here you see how a box with a 4 pixel rgb(193, 72, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 72, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 72, 5);  
box-shadow:4px 4px 4px 4px rgb(193, 72, 5)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 24.3371, 15.9831, 1.9459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 72, 5) }
```

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

```
.background{ background-color: rgb(193, 72,  
5) }
```

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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