

Converting Colors

XYZ(23.9290, 15.4893, 2.0746)

Have a look what the booklet for
XYZ(23.9290, 15.4893, 2.0746)
contains.

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Color

**XYZ(23.9327, 15.4893,
2.0762)**

Conversions

Conversions Part 1

Format	Color
Hex	C0450C
RGB	192, 69, 12
RGB Percent	75%, 27%, 5%
CMY	0.2471, 0.7294, 0.9529
CMYK	0.00, 0.64, 0.94, 0.25
HSL	19°, 88%, 40%
HSV	19°, 94%, 75%
XYZ	23.9327, 15.4893, 2.0762
YIQ	99.2790, 91.6050, 8.3490

Conversions

Conversions Part 2

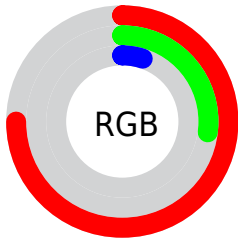
Format	Color
RYB	192, 95, 12
Decimal	12600588
CIELab	46.30, 47.21, 53.98
CIElCh	46, 71.711, 48.825
Yxy	15.4893, 0.5767, 0.3733
Android (android.graphics.Color)	4290790668 (0xFFC0450C)
YUV	99.2790, -43.0285, 81.3163
Hunter-Lab	39.3564, 39.6723, 24.4217

Details

The XYZ color **23.9327, 15.4893, 2.0762** 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 **18.3292, 21.2103, 52.9966**, and the grayscale version is **12.0202, 12.6461, 13.7716**.

A 20% lighter version of the original color is **49.1537, 35.5607, 9.2742**, and **9.2710, 4.8761, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **23.3964, 14.5232, 1.5701**, and if you desaturate by 10%, it is **25.0150, 17.3602, 3.3429**.

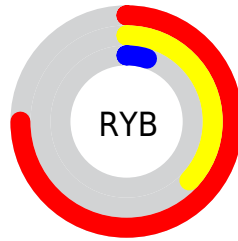
Distribution



Red (75%)

Green (27%)

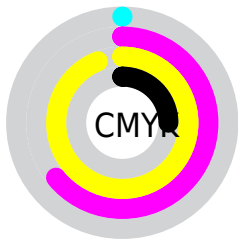
Blue (5%)



Red (75%)

Yellow (37%)

Blue (5%)

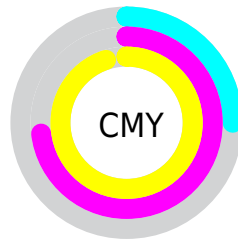


Cyan (0%)

Magenta (64%)

Yellow (94%)

Black (25%)



Cyan (25%)


Magenta (73%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9327, 15.4893, 2.0762 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 23.9327, 15.4893, 2.0762 by changing the saturation by 10% instead.


 23.9327, 15.4893,
2.0762


 23.9327, 15.4893,
2.0762


264.9268,
226.3090, 123.5490


 15.4082, 9.1635,
0.6015


 49.3758, 35.7093,
9.2481


 9.1945, 4.8480,
0.0000


 67.0251, 50.3723,
15.8260

 4.9264, 2.1583,
0.0000

 88.4468, 68.5831,
24.9566

 2.2385, 0.6971,
0.0000

 114.0060, 90.7262,
37.0585


 0.7629, 0.0000,
0.0000


 144.0683,
117.1860, 52.5501


 0.0000, 0.0000,
0.0000


 178.9990,


148.3468, 71.8500


 219.1634,
184.5930, 95.3768


 23.9327, 15.4893,
2.0762


 23.9327, 15.4893,
2.0762


 23.3964, 14.5232,
1.5701

 25.0150, 17.3602,
3.3429

 26.4370, 19.6691,
5.4666

 28.2323, 22.4461,
8.5735

 30.4295, 25.7174,
12.7681

 33.0539, 29.5070,
18.1416

■ 36.1287, 33.8373,
24.7752

■ 39.6753, 38.7293,
32.7432

■ 43.7134, 44.2027,
42.1138

■ 48.2619, 50.2763,
52.9506

Harmonies

Analogous

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



28.9458, 15.4893, 8.1447



23.9327, 15.4893, 2.0762



17.1283, 15.4893, 0.6622

Triad

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



23.9327, 15.4893, 2.0762



5.9177, 15.4893, 11.1292



18.8656, 15.4893, 73.2986

Complementary

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



23.9327, 15.4893, 2.0762



18.3292, 21.2103, 52.9966

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.



12.5525, 15.4893, 76.4494



23.9327, 15.4893, 2.0762



6.1423, 15.4893, 30.2824

Square

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



23.9327, 15.4893, 2.0762



7.5091, 15.4893, 2.9690



8.2421, 15.4893, 57.2096



25.5045, 15.4893, 50.3118

Rectangle

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



23.9327, 15.4893, 2.0762



12.9856, 15.4893, 0.6265



8.2421, 15.4893, 57.2096



16.6069, 15.4893, 77.1101

Sweetspot

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



23.9330, 15.4902, 2.0764



68.7606, 65.8804, 52.2337



26.2427, 13.2187, 24.0902



14.1667, 13.3240, 9.9012



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.



23.9330, 15.4902, 2.0764



42.1949, 25.9182, 2.7788



34.2025, 36.0292, 5.4996



10.3277, 10.5869, 10.5610



15.8060, 9.8978, 1.0774



0.7460, 0.5538, 0.0676

Inverse Universe

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



18.3292, 21.2103, 52.9966



31.7565, 35.9297, 95.6217



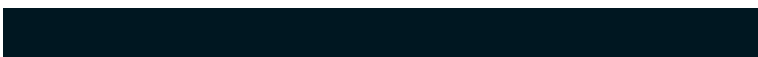
10.6045, 5.7609, 50.4217



10.0908, 10.8730, 12.8517



11.9535, 13.6636, 35.5639



0.5761, 0.7097, 1.5565

Previews

White Background



This preview shows how the XYZ color 23.9327, 15.4893, 2.0762 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 23.9327, 15.4893, 2.0762 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 23.9327, 15.4893, 2.0762

Background



This preview shows how black text looks on a background with the XYZ color 23.9327, 15.4893, 2.0762.



This preview shows how white text looks on a background with the XYZ color 23.9327, 15.4893,

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

23.9327, 15.4893, 2.0762

Protanopia

14.1615, 15.7199, 3.1520

Deuteranopia

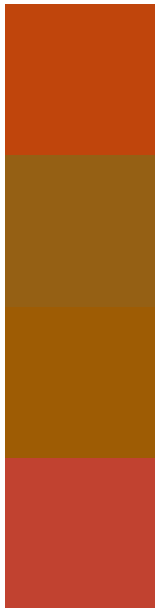
15.6990, 15.5921, 2.1822



Tritanopia

24.8691, 15.4216, 7.1348

Trichromacy



Original Color

23.9327, 15.4893, 2.0762

Protanomaly

16.7036, 14.8058, 2.6393

Deuteranomaly

17.9496, 14.9322, 2.0510

Tritanomaly

24.4740, 15.4473, 4.4880

Monochromacy



Original Color

23.9327, 15.4893, 2.0762

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.1757, 12.3712, 6.9509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9327, 15.4893, 2.0762 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(192, 69, 12)` looks like.

```
.text, #text, p{  
    color:rgb(192, 69, 12)  
}
```

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(192, 69, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 69, 12) }
```

Border

The CSS property to change the border of an element to XYZ 23.9327, 15.4893, 2.0762 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(192, 69, 12) }
```


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

```
.border{ border-color:rgb(192, 69, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 69, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 69, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 69, 12);  
box-shadow:4px 4px 4px 4px rgb(192, 69,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9327, 15.4893, 2.0762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 69, 12) }
```

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

```
.background{ background-color: rgb(192, 69,  
12) }
```

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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