

Converting Colors

XYZ(32.0629, 19.0729, 2.3552)

Have a look what the booklet for
XYZ(32.0629, 19.0729, 2.3552)
contains.

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Color

**XYZ(31.9132, 19.0014,
2.3334)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3E0C
RGB	222, 62, 12
RGB Percent	87%, 24%, 5%
CMY	0.1294, 0.7568, 0.9529
CMYK	0.00, 0.72, 0.95, 0.13
HSL	14°, 90%, 46%
HSV	14°, 95%, 87%
XYZ	31.9132, 19.0014, 2.3334
YIQ	104.1400, 111.4100, 18.3700

Conversions

Conversions Part 2

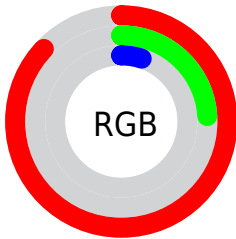
Format	Color
RYB	222, 78, 12
Decimal	14564876
CIELab	50.69, 60.07, 59.43
CIELCh	51, 84.498, 44.693
Yxy	19.0014, 0.5993, 0.3568
Android (android.graphics.Color)	4292754956 (0xFFDE3E0C)
YUV	104.1400, -45.4250, 103.3632
Hunter-Lab	43.5906, 54.3985, 27.3396

Details

The XYZ color **31.9132, 19.0014, 2.3334** 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 **28.0867, 34.8527, 74.3537**, and the grayscale version is **13.2939, 13.9863, 15.2310**.

A 20% lighter version of the original color is **48.8202, 34.8470, 9.3073**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **31.3911, 18.0637, 1.8322**, and if you desaturate by 10%, it is **33.2062, 21.2273, 3.8757**.

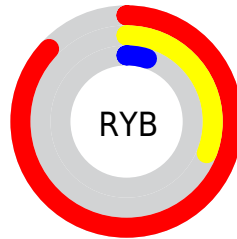
Distribution



Red (87%)

Green (24%)

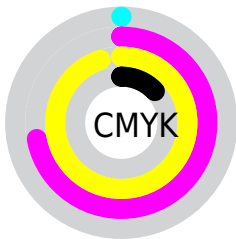
Blue (5%)



Red (87%)

Yellow (31%)

Blue (5%)

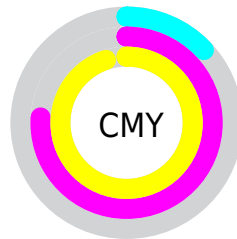


Cyan (0%)

Magenta (72%)

Yellow (95%)

Black (13%)



Cyan (13%)


Magenta (76%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9132, 19.0014, 2.3334 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 31.9132, 19.0014, 2.3334 by changing the saturation by 10% instead.


 31.9132, 19.0014,
2.3334


 31.9132, 19.0014,
2.3334


302.4760,
246.4565, 127.3562

 21.4504, 11.6713,
0.7498


 62.0411, 41.7365,
9.9337


 13.5680, 6.5203,
0.0000


 82.4369, 57.9102,
16.8031

 7.9005, 3.1639,
0.0000


 106.8745, 77.8006,
26.2767

 4.0826, 1.2179,
0.0000

 135.7192,
101.7921, 38.7730

 1.7490, 0.0763,
0.0000

 169.3363,
130.2690, 54.7105

 0.4866, 0.0000,
0.0000


 208.0913,


 0.0000, 0.0000,


163.6158, 74.5079


0.0000


 252.3494,
202.2168, 98.5836


 31.9132, 19.0014,
2.3334

 31.9132, 19.0014,
2.3334


 31.3911, 18.0637,
1.8322

 33.2062, 21.2273,
3.8757

 35.0157, 24.1551,
6.6099

 37.3981, 27.8429,
10.7243

 40.4012, 32.3412,
16.3739

 44.0672, 37.6957,
23.6925

■ 48.4347, 43.9487,
32.7994

■ 53.5389, 51.1398,
43.8028

■ 59.4127, 59.3060,
56.8023

■ 66.0871, 68.4821,
71.8906

Harmonies

Analogous

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



38.2620, 19.0014, 11.1426



31.9132, 19.0014, 2.3334



22.5996, 19.0014, 0.4121

Triad

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



31.9132, 19.0014, 2.3334



6.6424, 19.0014, 10.8328



22.4085, 19.0014, 103.6067

Complementary

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



31.9132, 19.0014, 2.3334



28.0867, 34.8527, 74.3537

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.



14.1735, 19.0014, 103.2365



31.9132, 19.0014, 2.3334



6.6197, 19.0014, 34.5487

Square

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



31.9132, 19.0014, 2.3334



9.0151, 19.0014, 2.2536



8.9393, 19.0014, 72.2062



31.7370, 19.0014, 73.0051

Rectangle

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



31.9132, 19.0014, 2.3334



16.7883, 19.0014, 0.2223



8.9393, 19.0014, 72.2062



19.3948, 19.0014, 107.5746

Sweetspot

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



31.9136, 19.0025, 2.3337



70.6442, 66.2927, 54.2003



37.7983, 18.8096, 41.1734



14.4781, 13.2829, 10.2191



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.9136, 19.0025, 2.3337



42.8943, 24.5685, 2.4814



43.8265, 42.8284, 6.3047



13.9709, 14.2278, 14.3167



18.7177, 10.8733, 1.1122



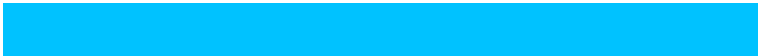
1.3662, 0.8913, 0.1000

Inverse Universe

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



28.0867, 34.8527, 74.3537



37.4024, 45.9248, 101.5008



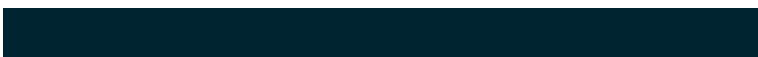
15.4035, 9.4864, 70.1259



13.8255, 14.9901, 17.5524



16.3632, 20.1960, 44.0842



1.2017, 1.5348, 3.0782

Previews

White Background



This preview shows how the XYZ color 31.9132, 19.0014, 2.3334 looks on a white 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

Black Background



This preview shows how the XYZ color 31.9132, 19.0014, 2.3334 looks on a black 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

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

XYZ 31.9132, 19.0014, 2.3334

Background



This preview shows how black text looks on a background with the XYZ color 31.9132, 19.0014, 2.3334.



This preview shows how white text looks on a background with the XYZ color 31.9132, 19.0014,

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

31.9132, 19.0014, 2.3334

Protanopia

17.3225, 19.2371, 3.8988

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

32.7601, 19.0403, 6.2235

Trichromacy



Original Color

31.9132, 19.0014, 2.3334

Protanomaly

20.6383, 17.3878, 3.0275

Deuteranomaly

22.5649, 17.8395, 2.3689

Tritanomaly

32.4314, 18.9903, 4.2417

Monochromacy



Original Color

31.9132, 19.0014, 2.3334

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

16.7423, 13.8027, 7.7430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9132, 19.0014, 2.3334 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(222, 62, 12)` looks like.

```
.text, #text, p{  
    color:rgb(222, 62, 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(222, 62, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 62, 12) }
```

Border

The CSS property to change the border of an element to XYZ 31.9132, 19.0014, 2.3334 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(222, 62, 12) }
```


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

```
.border{ border-color:rgb(222, 62, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 62, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 62, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 62, 12);  
box-shadow:4px 4px 4px 4px rgb(222, 62,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9132, 19.0014, 2.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 62, 12) }
```

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

```
.background{ background-color: rgb(222, 62,  
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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