

Converting Colors

XYZ(32.3187, 31.0111, 4.9932)

Have a look what the booklet for
XYZ(32.3187, 31.0111, 4.9932)
contains.

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Color

**XYZ(32.3140, 31.0022,
4.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	C38E15
RGB	195, 142, 21
RGB Percent	76%, 56%, 8%
CMY	0.2353, 0.4431, 0.9176
CMYK	0.00, 0.27, 0.89, 0.24
HSL	42°, 81%, 42%
HSV	42°, 89%, 76%
XYZ	32.3140, 31.0022, 4.9904
YIQ	144.0530, 70.4290, -26.3950

Conversions

Conversions Part 2

Format	Color
R _{YB}	97, 195, 21
Decimal	12815893
CIE Lab	62.51, 10.57, 63.79
CIE LCh	63, 64.656, 80.594
Yxy	31.0022, 0.4731, 0.4539
Android (android.graphics.Color)	4291005973 (0xFFC38E15)
YUV	144.0530, -60.6651, 44.6805
Hunter-Lab	55.6796, 6.1542, 33.6617

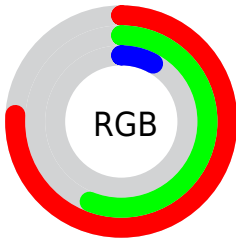
Details

The XYZ color **32.3140, 31.0022, 4.9904** is a dark color, and the websafe version is hex **CC9933**.

The color can be described as dark washed orange. A complement of this color would be **12.6085, 8.9974, 52.7014**, and the grayscale version is **26.7486, 28.1416, 30.6462**.

A 20% lighter version of the original color is **62.2403, 60.8843, 16.2560**, and **13.9805, 12.8885, 1.7509** is the 20% darker color. If you saturate the color by 10%, you get **31.3272, 29.2322, 4.0346**, and if you desaturate by 10%, it is **33.4784, 32.9211, 6.6429**.

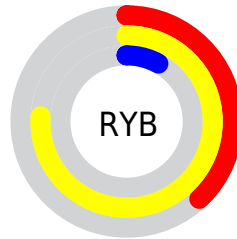
Distribution



Red (76%)

Green (56%)

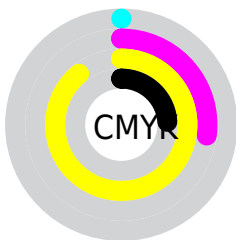
Blue (8%)



Red (38%)

Yellow (76%)

Blue (8%)

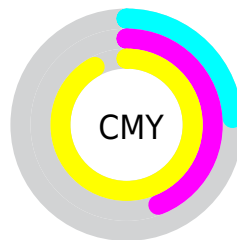


Cyan (0%)

Magenta (27%)

Yellow (89%)

Black (24%)



Cyan (24%)


Magenta (44%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3140, 31.0022, 4.9904 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 32.3140, 31.0022, 4.9904 by changing the saturation by 10% instead.


 32.3140, 31.0022,
4.9904


 32.3140, 31.0022,
4.9904


304.2671,
306.5485, 158.6687


 21.7582, 20.6005,
2.1830


 62.6649, 61.2435,
16.2362


 13.7949, 12.8323,
0.6645


 83.1907, 81.8520,
25.5117


 8.0589, 7.3132,
0.0000


 107.7704,
106.6315, 37.7803

 4.1848, 3.6587,
0.0000

 136.7696,
135.9664, 53.4605

 1.8072, 1.4845,
0.0000

 170.5535,
170.2412, 72.9709

 0.5220, 0.2778,
0.0000

 209.4875,

 0.0000, 0.0000,

209.8402, 96.7301

0.0000

253.9369,
255.1478, 125.1565

■ 32.3140, 31.0022,
4.9904

■ 32.3140, 31.0022,
4.9904

■ 31.3272, 29.2322,
4.0346

■ 33.4784, 32.9211,
6.6429

■ 31.2544, 29.0998,
3.9695

■ 34.8577, 35.0012,
9.1947

■ 36.4754, 37.2542,
12.7627

■ 38.3510, 39.6891,
17.4456

■ 40.5015, 42.3136,
23.3307

■ 42.9424, 45.1352,
30.4961

■ 45.6880, 48.1604,
39.0136

■ 48.7515, 51.3956,
48.9495

■ 52.1451, 54.8466,
60.3657

Harmonies

Analogous

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



41.5416, 31.0022, 8.4779



32.3140, 31.0022, 4.9904



23.9160, 31.0022, 5.7044

Triad

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



32.3140, 31.0022, 4.9904



16.3152, 31.0022, 53.7896



44.5385, 31.0022, 74.7150

Complementary

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



32.3140, 31.0022, 4.9904



12.6085, 8.9974, 52.7014

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.



35.8159, 31.0022, 102.3008



32.3140, 31.0022, 4.9904



19.9926, 31.0022, 86.6228

Square

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



32.3140, 31.0022, 4.9904



15.7473, 31.0022, 26.4520



26.7917, 31.0022, 107.4981



49.4678, 31.0022, 42.2944

Rectangle

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



32.3140, 31.0022, 4.9904



19.7861, 31.0022, 8.7373



26.7917, 31.0022, 107.4981



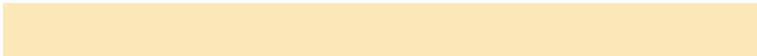
41.8799, 31.0022, 85.4195

Sweetspot

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



32.3147, 31.0038, 4.9910



77.7594, 81.7910, 57.1950



24.0819, 12.6619, 8.0313



16.6742, 17.5119, 11.4540



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.



32.3147, 31.0038, 4.9910



55.7471, 51.6578, 7.0328



34.7753, 46.8812, 7.9260



10.6461, 11.2237, 10.6672



20.3908, 19.0673, 2.6057



0.9395, 0.9407, 0.1321

Inverse Universe

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



12.6085, 8.9974, 52.7014



20.2883, 12.3493, 93.7841



11.5818, 5.2310, 52.0286



9.7729, 10.2371, 12.7457



7.4976, 4.7517, 34.0786



0.3862, 0.3298, 1.4932

Previews

White Background



This preview shows how the XYZ color 32.3140, 31.0022, 4.9904 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.3140, 31.0022, 4.9904 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 ✓ Pass

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

XYZ 32.3140, 31.0022, 4.9904

Background



This preview shows how black text looks on a background with the XYZ color 32.3140, 31.0022, 4.9904.



This preview shows how white text looks on a background with the XYZ color 32.3140, 31.0022,

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

32.3140, 31.0022, 4.9904

Protanopia

28.1877, 31.1803, 5.3969

Deuteranopia

31.5767, 31.0699, 4.9489



Tritanopia

37.2211, 30.8730, 29.5885

Trichromacy



Original Color

32.3140, 31.0022, 4.9904

Protanomaly

29.5669, 30.9450, 5.2252

Deuteranomaly

31.6870, 30.9019, 4.9564

Tritanomaly

34.5620, 30.6323, 15.6463

Monochromacy



Original Color

32.3140, 31.0022, 4.9904

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.1788, 28.3323, 15.8406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3140, 31.0022, 4.9904 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(195, 142, 21)` looks like.

```
.text, #text, p{  
    color:rgb(195, 142, 21)  
}
```

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(195, 142, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 142, 21) }
```

Border

The CSS property to change the border of an element to XYZ 32.3140, 31.0022, 4.9904 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".

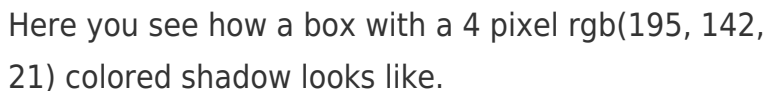
```
.border, #border, table{ border:4px solid rgb(195, 142, 21) }
```


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

```
.border{ border-color:rgb(195, 142, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 142, 21)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 142, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 142, 21);  
box-shadow:4px 4px 4px 4px rgb(195, 142,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3140, 31.0022, 4.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 142, 21) }
```

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

```
.background{ background-color: rgb(195,  
142, 21) }
```

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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