

Converting Colors

XYZ(31.4368, 19.9812, 4.9962)

Have a look what the booklet for
XYZ(31.4368, 19.9812, 4.9962)
contains.

XYZ(31.4368, 19.9812, 4.9962)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4368, 19.9812,
4.9962)**

Conversions

Conversions Part 1

Format	Color
Hex	D84C30
RGB	216, 76, 48
RGB Percent	85%, 30%, 19%
CMY	0.1529, 0.7019, 0.8118
CMYK	0.00, 0.65, 0.78, 0.15
HSL	10°, 68%, 52%
HSV	10°, 78%, 85%
XYZ	31.4368, 19.9812, 4.9962
YIQ	114.6680, 92.4280, 20.9720

Conversions

Conversions Part 2

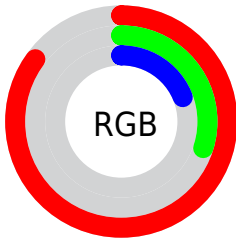
Format	Color
R_{YB}	216, 82, 48
Decimal	14175280
CIE _{Lab}	51.82, 53.47, 45.32
CIE _{LCh}	52, 70.096, 40.284
Yxy	19.9812, 0.5572, 0.3542
Android (android.graphics.Color)	4292365360 (0xFFD84C30)
YUV	114.6680, -32.8673, 88.8682
Hunter-Lab	44.7003, 47.3097, 24.6633

Details

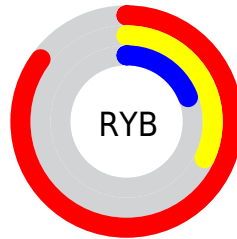
The XYZ color **31.4368, 19.9812, 4.9962** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **31.5949, 41.5490, 71.3197**, and the grayscale version is **16.2729, 17.1203, 18.6440**.

A 20% lighter version of the original color is **51.4676, 38.3371, 15.7535**, and **13.2400, 6.9699, 0.6762** is the 20% darker color. If you saturate the color by 10%, you get **30.0232, 17.7023, 2.8355**, and if you desaturate by 10%, it is **33.4150, 23.0428, 8.4151**.

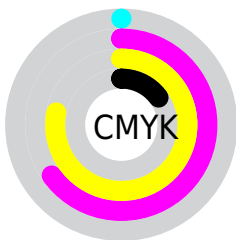
Distribution



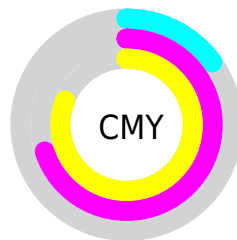
- Red (85%)
- Green (30%)
- Blue (19%)



- Red (85%)
- Yellow (32%)
- Blue (19%)



- Cyan (0%)
- Magenta (65%)
- Yellow (78%)
- Black (15%)





- Cyan (15%)
- Magenta (70%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4368, 19.9812, 4.9962 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 31.4368, 19.9812, 4.9962 by changing the saturation by 10% instead.


 31.4368, 19.9812,
4.9962

 31.4368, 19.9812,
4.9962


300.3367,
251.8133, 158.7269

 21.0851, 12.3814,
2.1863


 61.2983, 43.3857,
16.2489

 13.2991, 7.0040,
0.6665


 81.5388, 59.9591,
25.5289

 7.7132, 3.4646,
0.0000


 105.8064, 80.2925,
37.8026

 3.9623, 1.3788,
0.0000

 134.4663,
104.7703, 53.4887

 1.6808, 0.2010,
0.0000

 167.8839,
133.7769, 73.0056

 0.4442, 0.0000,
0.0000

 206.4247,

 0.0000, 0.0000,

167.6967, 96.7719

0.0000

250.4538,
206.9140, 125.2061

■ 31.4368, 19.9812,
4.9962

■ 31.4368, 19.9812,
4.9962

■ 30.0232, 17.7023,
2.8355

■ 33.4150, 23.0428,
8.4151

■ 29.1041, 16.1277,
1.7169

■ 36.0106, 26.9475,
13.2465


■ 28.9498, 15.8612,
1.5357

■ 39.2715, 31.7534,
19.6233


■ 43.2404, 37.5125,
27.6628

■ 47.9563, 44.2729,
37.4709

 53.4555, 52.0791,
49.1446

 59.7716, 60.9733,
62.7739

 66.9365, 70.9951,
78.4430

 74.9802, 82.1822,
96.2311

Harmonies

Analogous

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



35.8558, 19.9812, 15.4916



31.4368, 19.9812, 4.9962



23.9836, 19.9812, 1.7988

Triad

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



31.4368, 19.9812, 4.9962



8.8149, 19.9812, 11.0456



21.5366, 19.9812, 87.4310

Complementary

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



31.4368, 19.9812, 4.9962



31.5949, 41.5490, 71.3197

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.



14.7452, 19.9812, 83.2889



31.4368, 19.9812, 4.9962



8.4709, 19.9812, 29.5159

Square

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



31.4368, 19.9812, 4.9962



11.4566, 19.9812, 3.4769



10.3594, 19.9812, 58.1293



29.2658, 19.9812, 67.3369

Rectangle

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



31.4368, 19.9812, 4.9962



18.9239, 19.9812, 1.3977



10.3594, 19.9812, 58.1293



19.0593, 19.9812, 89.0283

Sweetspot

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



31.4372, 19.9824, 4.9965



73.3458, 69.4657, 61.9761



38.4527, 20.3436, 49.4767



15.0946, 14.0087, 11.9878



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.



31.4372, 19.9824, 4.9965



42.8303, 24.2678, 2.9926



41.4230, 39.9538, 8.3251



12.5889, 12.7520, 12.9586



17.1887, 9.4947, 0.9267



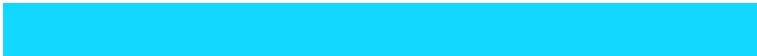
1.0894, 0.6781, 0.0735

Inverse Universe

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



31.5949, 41.5490, 71.3197



42.7153, 56.1844, 103.2011



18.5639, 15.4870, 66.9760



12.6078, 13.7390, 15.9249



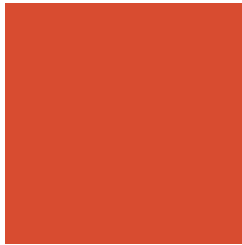
17.0640, 22.3899, 41.8755



1.0771, 1.4462, 2.5417

Previews

White Background



This preview shows how the XYZ color 31.4368, 19.9812, 4.9962 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 31.4368, 19.9812, 4.9962 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 31.4368, 19.9812, 4.9962

Background



This preview shows how black text looks on a background with the XYZ color 31.4368, 19.9812, 4.9962.



This preview shows how white text looks on a background with the XYZ color 31.4368, 19.9812,

4.9962.

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

31.4368, 19.9812, 4.9962

Protanopia

18.3937, 20.0815, 7.4641

Deuteranopia

20.5227, 20.1584, 4.5596



Tritanopia

32.3374, 20.0526, 9.1874

Trichromacy



Original Color

31.4368, 19.9812, 4.9962

Protanomaly

21.7221, 18.9178, 6.3775

Deuteranomaly

23.6106, 19.3256, 4.5836

Tritanomaly

32.0474, 20.0426, 7.3338

Monochromacy



Original Color

31.4368, 19.9812, 4.9962

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.4909, 16.7381, 12.1010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4368, 19.9812, 4.9962 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(216, 76, 48)` looks like.

```
.text, #text, p{  
    color:rgb(216, 76, 48)  
}
```

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(216, 76, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 76, 48) }
```

Border

The CSS property to change the border of an element to XYZ 31.4368, 19.9812, 4.9962 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(216, 76, 48) }
```


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

```
.border{ border-color:rgb(216, 76, 48) }
```

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

Here you see how a box with a 4 pixel rgb(216, 76, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 76, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 76, 48);  
box-shadow:4px 4px 4px 4px rgb(216, 76,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4368, 19.9812, 4.9962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 76, 48) }
```

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

```
.background{ background-color: rgb(216, 76,  
48) }
```

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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