

Converting Colors

XYZ(31.5637, 19.6264, 2.1247)

Have a look what the booklet for
XYZ(31.5637, 19.6264, 2.1247)
contains.

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Color

**XYZ(31.4667, 19.5665,
2.1182)**

Conversions

Conversions Part 1

Format	Color
Hex	DB4700
RGB	219, 71, 0
RGB Percent	86%, 28%, 0%
CMY	0.1412, 0.7215, 1.0000
CMYK	0.00, 0.68, 1.00, 0.14
HSL	19°, 100%, 43%
HSV	19°, 100%, 86%
XYZ	31.4667, 19.5665, 2.1182
YIQ	107.1580, 110.9990, 9.2950

Conversions

Conversions Part 2

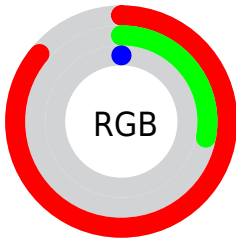
Format	Color
R_{YB}	219, 105, 0
Decimal	14370560
CIE Lab	51.34, 55.62, 62.32
CIE LCh	51, 83.530, 48.252
Yxy	19.5665, 0.5920, 0.3681
Android (android.graphics.Color)	4292560640 (0xFFDB4700)
YUV	107.1580, -52.8289, 98.0854
Hunter-Lab	44.2340, 49.5697, 28.1247

Details

The XYZ color **31.4667, 19.5665, 2.1182** 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 **23.3749, 26.2919, 70.8604**, and the grayscale version is **14.1406, 14.8770, 16.2010**.

A 20% lighter version of the original color is **49.5432, 36.5186, 8.8525**, and **13.5176, 6.9686, 0.6326** is the 20% darker color. If you saturate the color by 10%, you get **31.4670, 19.5675, 2.1184**, and if you desaturate by 10%, it is **32.6697, 21.7426, 3.2290**.

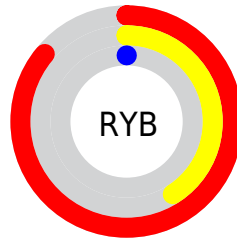
Distribution



Red (86%)

Green (28%)

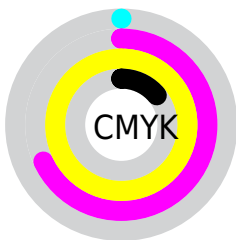
Blue (0%)



Red (86%)

Yellow (41%)

Blue (0%)

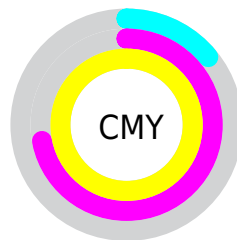


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4667, 19.5665, 2.1182 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 31.4667, 19.5665, 2.1182 by changing the saturation by 10% instead.


 31.4667, 19.5665,
2.1182


 31.4667, 19.5665,
2.1182


300.4713,
249.5586, 124.1860


 21.1081, 12.0803,
0.6266


 61.3450, 42.6892,
9.3615


 13.3159, 6.7984,
0.0000


 81.5953, 59.0945,
15.9881


 7.7249, 3.3363,
0.0000


 105.8735, 79.2416,
25.1762

 3.9698, 1.3098,
0.0000

 134.5451,
103.5150, 37.3441

 1.6850, 0.1487,
0.0000

 167.9753,
132.2990, 52.9105


 0.4469, 0.0000,
0.0000


 206.5295,


 0.0000, 0.0000,


165.9779, 72.2940


0.0000


 250.5730,
204.9364, 95.9129


 31.4667, 19.5665,
2.1182


 31.4667, 19.5665,
2.1182


 31.4670, 19.5675,
2.1184

 32.6697, 21.7426,
3.2290

 34.2799, 24.4717,
5.2802

 36.3651, 27.8043,
8.5584

 38.9683, 31.7781,
13.2263

 42.1269, 36.4273,
19.4209

■ 45.8742, 41.7834,
27.2630

■ 50.2409, 47.8757,
36.8608

■ 55.2553, 54.7318,
48.3135

■ 60.9439, 62.3776,
61.7125

Harmonies

Analogous

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



38.3908, 19.5665, 9.9049



31.4667, 19.5665, 2.1182



22.0615, 19.5665, 0.4715

Triad

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



31.4667, 19.5665, 2.1182



6.8914, 19.5665, 13.2471



24.0925, 19.5665, 101.5985

Complementary

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



31.4667, 19.5665, 2.1182



23.3749, 26.2919, 70.8604

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.



15.5163, 19.5665, 105.4720



31.4667, 19.5665, 2.1182



7.1375, 19.5665, 39.1937

Square

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



31.4667, 19.5665, 2.1182



9.0068, 19.5665, 3.0126



9.8247, 19.5665, 77.3159



33.3312, 19.5665, 68.9278

Rectangle

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



31.4667, 19.5665, 2.1182



16.3869, 19.5665, 0.4096



9.8247, 19.5665, 77.3159



20.9982, 19.5665, 106.8932

Sweetspot

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



31.4671, 19.5677, 2.1185



70.7540, 67.3502, 51.6539



34.6902, 17.2508, 30.2081



14.5619, 13.6077, 9.7621



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.



31.4671, 19.5677, 2.1185



44.3089, 27.3977, 2.9530



45.3033, 47.2401, 6.7306



13.3991, 13.7375, 13.6710



18.7472, 11.7799, 1.2857



1.2914, 0.9169, 0.1089

Inverse Universe

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



23.3749, 26.2919, 70.8604



32.8634, 36.8468, 99.9878



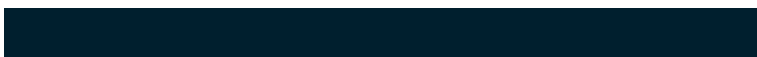
13.5501, 6.6423, 67.5854



13.0705, 14.0807, 16.6811



13.9636, 15.7966, 42.0515



0.9816, 1.1774, 2.7500

Previews

White Background



This preview shows how the XYZ color 31.4667, 19.5665, 2.1182 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 31.4667, 19.5665, 2.1182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

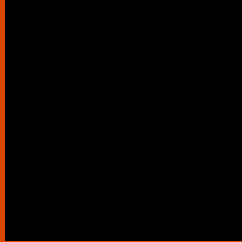
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4667, 19.5665, 2.1182

Background



This preview shows how black text looks on a background with the XYZ color 31.4667, 19.5665, 2.1182.



This preview shows how white text looks on a background with the XYZ color 31.4667, 19.5665,

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

31.4667, 19.5665, 2.1182

Protanopia

17.7188, 19.6311, 3.6659

Deuteranopia

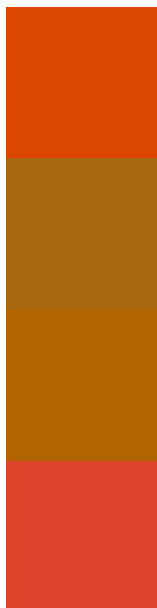
19.8789, 19.6911, 2.7530



Tritanopia

32.5376, 19.5417, 7.6872

Trichromacy



Original Color

31.4667, 19.5665, 2.1182

Protanomaly

20.9729, 18.1506, 2.8500

Deuteranomaly

22.9173, 18.5793, 2.3783

Tritanomaly

32.0369, 19.5317, 4.4643

Monochromacy



Original Color

31.4667, 19.5665, 2.1182

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.2588, 14.7187, 7.4002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4667, 19.5665, 2.1182 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(219, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 71, 0)  
}
```

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(219, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 71, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.4667, 19.5665, 2.1182 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(219, 71, 0) }
```


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

```
.border{ border-color:rgb(219, 71, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 71, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 71, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.4667, 19.5665, 2.1182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 71, 0) }
```

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

```
.background{ background-color: rgb(219, 71,  
0) }
```

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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