

Converting Colors

XYZ(31.4076, 20.4765, 1.4073)

Have a look what the booklet for
XYZ(31.4076, 20.4765, 1.4073)
contains.

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Color

**XYZ(31.4839, 20.4890,
2.2954)**

Conversions

Conversions Part 1

Format	Color
Hex	D95000
RGB	217, 80, 0
RGB Percent	85%, 31%, 0%
CMY	0.1490, 0.6862, 1.0000
CMYK	0.00, 0.63, 1.00, 0.15
HSL	22°, 100%, 43%
HSV	22°, 100%, 85%
XYZ	31.4839, 20.4890, 2.2954
YIQ	111.8430, 107.3320, 4.1640

Conversions

Conversions Part 2

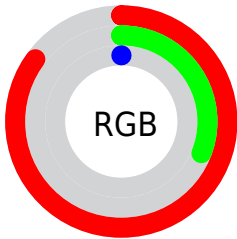
Format	Color
R _Y B	217, 127, 0
Decimal	14241792
CIE Lab	52.39, 51.19, 62.66
CIE LCh	52, 80.909, 50.752
Yxy	20.4890, 0.5802, 0.3776
Android (android.graphics.Color)	4292431872 (0xFFD95000)
YUV	111.8430, -55.1386, 92.2227
Hunter-Lab	45.2648, 44.9423, 28.6787

Details

The XYZ color **31.4839, 20.4890, 2.2954** 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 **21.4693, 22.8996, 68.9336**, and the grayscale version is **15.4906, 16.2973, 17.7478**.

A 20% lighter version of the original color is **50.6346, 38.6580, 9.3504**, and **13.3870, 7.2726, 0.6982** is the 20% darker color. If you saturate the color by 10%, you get **31.4841, 20.4898, 2.2955**, and if you desaturate by 10%, it is **32.7338, 22.7620, 3.4124**.

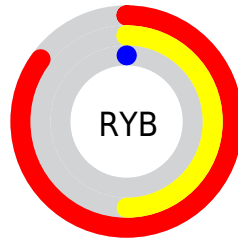
Distribution



Red (85%)

Green (31%)

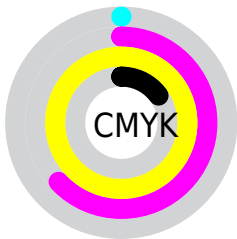
Blue (0%)



Red (85%)

Yellow (50%)

Blue (0%)

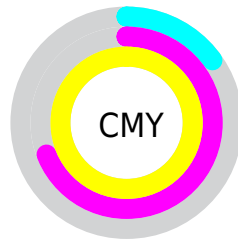


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4839, 20.4890, 2.2954 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 31.4839, 20.4890, 2.2954 by changing the saturation by 10% instead.

31.4839, 20.4890,
2.2954

31.4839, 20.4890,
2.2954

300.5487,
254.5502, 126.8072

21.1212, 12.7510,
0.7286

61.3718, 44.2355,
9.8337

13.3256, 7.2573,
0.0000

81.6277, 61.0128,
16.6610

7.7317, 3.6235,
0.0000

105.9122, 81.5720,
26.0852

3.9741, 1.4653,
0.0000

134.5904,
106.2975, 38.5247

1.6875, 0.2641,
0.0000

168.0278,
135.5737, 54.3981


0.4484, 0.0000,
0.0000


206.5898,


0.0000, 0.0000,


169.7849, 74.1240


0.0000


 250.6416,
209.3156, 98.1208


 31.4839, 20.4890,
2.2954


 31.4839, 20.4890,
2.2954


 31.4841, 20.4898,
2.2955

 32.7338, 22.7620,
3.4124

 34.3588, 25.5295,
5.4414

 36.4225, 28.8351,
8.6629

 38.9642, 32.7104,
13.2350

 42.0180, 37.1837,
19.2910

■ 45.6144, 42.2816,
26.9480

■ 49.7811, 48.0285,
36.3112

■ 54.5441, 54.4474,
47.4768

■ 59.9272, 61.5604,
60.5338

Harmonies

Analogous

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



38.6484, 20.4890, 9.6724



31.4839, 20.4890, 2.2954



22.1668, 20.4890, 0.7315

Triad

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



31.4839, 20.4890, 2.2954



7.5473, 20.4890, 15.7121



25.7266, 20.4890, 98.7093

Complementary

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



31.4839, 20.4890, 2.2954



21.4693, 22.8996, 68.9336

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.



17.0090, 20.4890, 105.2707



31.4839, 20.4890, 2.2954



7.9982, 20.4890, 42.8586

Square

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



31.4839, 20.4890, 2.2954



9.5083, 20.4890, 4.0418



10.9883, 20.4890, 80.1227



34.7195, 20.4890, 65.8066

Rectangle

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



31.4839, 20.4890, 2.2954



16.6332, 20.4890, 0.7573



10.9883, 20.4890, 80.1227



22.6215, 20.4890, 104.6832

Sweetspot

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



31.4843, 20.4902, 2.2957



71.5676, 68.9773, 51.9251



33.1617, 16.5703, 25.2812



14.7516, 13.9872, 9.8254



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.



31.4843, 20.4902, 2.2957



45.2442, 29.2684, 3.2647



46.6125, 50.7465, 7.3384



13.4472, 13.8338, 13.6870



19.1517, 12.5890, 1.4205



1.3215, 0.9770, 0.1189

Inverse Universe

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



21.4693, 22.8996, 68.9336



30.7920, 32.7039, 99.2973



12.9622, 5.8854, 66.0979



13.0203, 13.9804, 16.6644



13.1004, 14.0702, 41.7638



0.9300, 1.0741, 2.7327

Previews

White Background



This preview shows how the XYZ color 31.4839, 20.4890, 2.2954 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 31.4839, 20.4890, 2.2954 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 31.4839, 20.4890, 2.2954

Background



This preview shows how black text looks on a background with the XYZ color 31.4839, 20.4890, 2.2954.



This preview shows how white text looks on a background with the XYZ color 31.4839, 20.4890,

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

31.4839, 20.4890, 2.2954

Protanopia

18.7610, 20.7304, 3.7716

Deuteranopia

20.8949, 20.5646, 2.8681



Tritanopia

33.1408, 20.6567, 9.6376

Trichromacy



Original Color

31.4839, 20.4890, 2.2954

Protanomaly

21.9101, 19.4040, 3.0060

Deuteranomaly

23.8740, 19.8064, 2.5647

Tritanomaly

32.1430, 20.4435, 5.2695

Monochromacy



Original Color

31.4839, 20.4890, 2.2954

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

18.2722, 16.0533, 8.0968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4839, 20.4890, 2.2954 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(217, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 80, 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(217, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 80, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.4839, 20.4890, 2.2954 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(217, 80, 0) }
```


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

```
.border{ border-color:rgb(217, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.4839, 20.4890, 2.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 80, 0) }
```

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

```
.background{ background-color: rgb(217, 80,  
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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