

Converting Colors

XYZ(31.5189, 20.0488, 4.1665)

Have a look what the booklet for
XYZ(31.5189, 20.0488, 4.1665)
contains.

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Color

**XYZ(31.5659, 20.0671,
4.1291)**

Conversions

Conversions Part 1

Format	Color
Hex	D94C27
RGB	217, 76, 39
RGB Percent	85%, 30%, 15%
CMY	0.1490, 0.7019, 0.8471
CMYK	0.00, 0.65, 0.82, 0.15
HSL	12°, 70%, 50%
HSV	12°, 82%, 85%
XYZ	31.5659, 20.0671, 4.1291
YIQ	113.9410, 95.9130, 18.3850

Conversions

Conversions Part 2

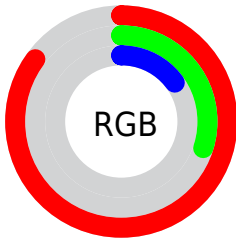
Format	Color
RYB	217, 86, 39
Decimal	14240807
CIELab	51.91, 53.53, 49.90
CIElCh	52, 73.177, 42.990
Yxy	20.0671, 0.5661, 0.3599
Android (android.graphics.Color)	4292430887 (0xFFD94C27)
YUV	113.9410, -36.9459, 90.3827
Hunter-Lab	44.7963, 47.3872, 25.8924

Details

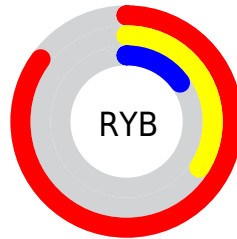
The XYZ color **31.5659, 20.0671, 4.1291** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **29.6805, 38.0800, 71.4309**, and the grayscale version is **16.0647, 16.9013, 18.4055**.

A 20% lighter version of the original color is **51.1178, 38.1972, 13.9111**, and **13.4241, 7.0654, 0.6562** is the 20% darker color. If you saturate the color by 10%, you get **30.2734, 17.9026, 2.4027**, and if you desaturate by 10%, it is **33.3810, 22.9488, 7.0430**.

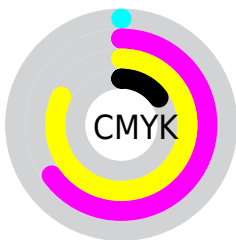
Distribution



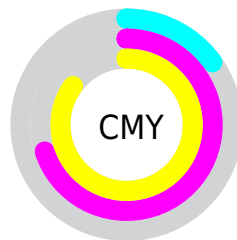
- Red (85%)
- Green (30%)
- Blue (15%)



- Red (85%)
- Yellow (34%)
- Blue (15%)



- Cyan (0%)
- Magenta (65%)
- Yellow (82%)
- Black (15%)





- Cyan (15%)
- Magenta (70%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5659, 20.0671, 4.1291 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 31.5659, 20.0671, 4.1291 by changing the saturation by 10% instead.


 31.5659, 20.0671,
4.1291

 31.5659, 20.0671,
4.1291


300.9176,
252.2781, 149.6497


 21.1841, 12.4438,
1.6964


 61.4997, 43.5297,
14.3064

 13.3719, 7.0467,
0.3583


 81.7825, 60.1377,
22.8882

 7.7639, 3.4913,
0.0000

 106.0962, 80.5095,
34.3567

 3.9948, 1.3933,
0.0000

 134.8063,
105.0294, 49.1305

 1.6992, 0.2118,
0.0000

 168.2781,
134.0819, 67.6282

 0.4557, 0.0000,
0.0000

 206.8771,

 0.0000, 0.0000,

168.0512, 90.2682

0.0000

250.9684,
207.3218, 117.4692

■ 31.5659, 20.0671,
4.1291

■ 31.5659, 20.0671,
4.1291

■ 30.2734, 17.9026,
2.4027

■ 33.3810, 22.9488,
7.0430

■ 29.5579, 16.6373,
1.6534

■ 35.7710, 26.6022,
11.3123

■ 38.7826, 31.0806,
17.0788

■ 42.4572, 36.4311,
24.4656

■ 46.8325, 42.6972,
33.5834

■ 51.9433, 49.9196,
44.5328

■ 57.8218, 58.1364,
57.4069

■ 64.4987, 67.3835,
72.2923

■ 72.0025, 77.6953,
89.2703

Harmonies

Analogous

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



36.6818, 20.0671, 13.8743



31.5659, 20.0671, 4.1291



23.5710, 20.0671, 1.4235

Triad

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



31.5659, 20.0671, 4.1291



8.4042, 20.0671, 11.9232



22.4725, 20.0671, 91.0091

Complementary

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



31.5659, 20.0671, 4.1291



29.6805, 38.0800, 71.4309

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.



15.1873, 20.0671, 89.0975



31.5659, 20.0671, 4.1291



8.2547, 20.0671, 32.4123

Square

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



31.5659, 20.0671, 4.1291



10.8878, 20.0671, 3.4955



10.4069, 20.0671, 63.3773



30.5837, 20.0671, 67.6001

Rectangle

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



31.5659, 20.0671, 4.1291



18.3367, 20.0671, 1.1605



10.4069, 20.0671, 63.3773



19.8291, 20.0671, 93.6030

Sweetspot

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



31.5663, 20.0683, 4.1294



72.3845, 68.4585, 58.8333



37.7221, 19.5553, 45.7177



14.9342, 13.8629, 11.3950



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.



31.5663, 20.0683, 4.1294



42.7339, 24.2031, 2.5658



42.1852, 41.3060, 7.6690



13.2743, 13.4879, 13.6294



17.9546, 10.1948, 1.0215



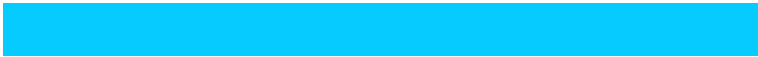
1.2258, 0.7857, 0.0870

Inverse Universe

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



29.6805, 38.0800, 71.4309



39.4798, 49.9848, 102.1750



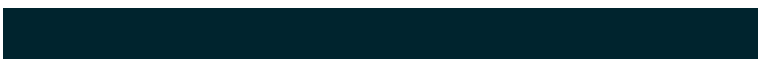
17.2230, 13.1650, 67.2784



13.2031, 14.3459, 16.7253



16.5768, 21.0230, 42.9226



1.1329, 1.4799, 2.8004

Previews

White Background



This preview shows how the XYZ color 31.5659, 20.0671, 4.1291 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 31.5659, 20.0671, 4.1291 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 31.5659, 20.0671, 4.1291

Background



This preview shows how black text looks on a background with the XYZ color 31.5659, 20.0671, 4.1291.



This preview shows how white text looks on a background with the XYZ color 31.5659, 20.0671,

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

31.5659, 20.0671, 4.1291

Protanopia

18.4347, 20.3184, 6.1991

Deuteranopia

20.5479, 20.1909, 3.6784



Tritanopia

32.5353, 20.0620, 8.9950

Trichromacy



Original Color

31.5659, 20.0671, 4.1291

Protanomaly

21.7071, 18.9361, 5.2003

Deuteranomaly

23.6624, 19.3729, 3.6546

Tritanomaly

32.1932, 20.0294, 6.8719

Monochromacy



Original Color

31.5659, 20.0671, 4.1291

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.0400, 16.3818, 11.1753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5659, 20.0671, 4.1291 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, 76, 39)` looks like.

```
.text, #text, p{  
    color:rgb(217, 76, 39)  
}
```

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, 76, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 76, 39) }
```

Border

The CSS property to change the border of an element to XYZ 31.5659, 20.0671, 4.1291 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, 76, 39) }
```


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

```
.border{ border-color:rgb(217, 76, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 76, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 76, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 76, 39);  
box-shadow:4px 4px 4px 4px rgb(217, 76,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5659, 20.0671, 4.1291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 76, 39) }
```

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

```
.background{ background-color: rgb(217, 76,  
39) }
```

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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