

Converting Colors

XYZ(31.4603, 20.9341, 3.6447)

Have a look what the booklet for
XYZ(31.4603, 20.9341, 3.6447)
contains.

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Color

**XYZ(31.4420, 20.8866,
3.6707)**

Conversions

Conversions Part 1

Format	Color
Hex	D7541F
RGB	215, 84, 31
RGB Percent	84%, 33%, 12%
CMY	0.1569, 0.6706, 0.8784
CMYK	0.00, 0.61, 0.86, 0.16
HSL	17°, 75%, 48%
HSV	17°, 86%, 84%
XYZ	31.4420, 20.8866, 3.6707
YIQ	117.1270, 95.0890, 11.2890

Conversions

Conversions Part 2

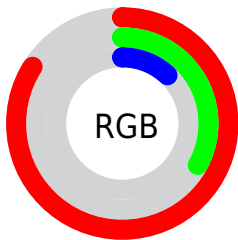
Format	Color
R_{YB}	215, 105, 31
Decimal	14111775
CIE _{Lab}	52.83, 49.14, 54.06
CIE _{LCh}	53, 73.054, 47.726
Yxy	20.8866, 0.5615, 0.3730
Android (android.graphics.Color)	4292301855 (0xFFD7541F)
YUV	117.1270, -42.4606, 85.8346
Hunter-Lab	45.7019, 42.8263, 27.2292

Details

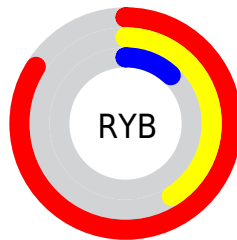
The XYZ color **31.4420, 20.8866, 3.6707** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **25.7501, 31.0362, 68.9230**, and the grayscale version is **17.0557, 17.9439, 19.5409**.

A 20% lighter version of the original color is **51.8137, 40.0310, 12.7805**, and **13.3408, 7.4593, 0.7366** is the 20% darker color. If you saturate the color by 10%, you get **30.1860, 18.6874, 2.2889**, and if you desaturate by 10%, it is **33.1470, 23.6828, 6.1326**.

Distribution



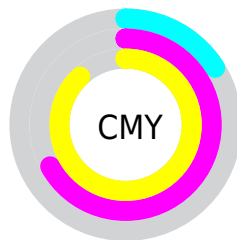
- Red (84%)
- Green (33%)
- Blue (12%)



- Red (84%)
- Yellow (41%)
- Blue (12%)



- Cyan (0%)
- Magenta (61%)
- Yellow (86%)
- Black (16%)





- Cyan (16%)
- Magenta (67%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4420, 20.8866, 3.6707 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 31.4420, 20.8866, 3.6707 by changing the saturation by 10% instead.


 31.4420, 20.8866,
3.6707


 31.4420, 20.8866,
3.6707


300.3601,
256.6752, 144.4917


 21.0891, 13.0411,
1.4465


 61.3064, 44.8987,
13.2429

 13.3020, 7.4569,
0.1776


 81.5487, 61.8342,
21.4279

 7.7153, 3.7494,
0.0000


 105.8181, 82.5684,
32.4370

 3.9636, 1.5344,
0.0000

 134.4800,
107.4858, 46.6887

 1.6815, 0.3128,
0.0000

 167.8998,
136.9708, 64.6014


 0.4447, 0.0000,
0.0000


 206.4429,


 0.0000, 0.0000,


171.4078, 86.5938


0.0000


 250.4745,
211.1811, 113.0844


 31.4420, 20.8866,
3.6707


 31.4420, 20.8866,
3.6707


 30.1860, 18.6874,
2.2889


 33.1470, 23.6828,
6.1326

 29.7433, 17.8853,
1.8846

 35.3478, 27.1165,
9.8499

 38.0855, 31.2282,
14.9669

 41.3962, 36.0535,
21.6075

 45.3126, 41.6256,
29.8821

■ 49.8646, 47.9753,
39.8907

■ 55.0802, 55.1317,
51.7251

■ 60.9857, 63.1224,
65.4707

■ 67.6057, 71.9736,
81.2075

Harmonies

Analogous

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



37.3547, 20.8866, 12.2010



31.4420, 20.8866, 3.6707



23.1360, 20.8866, 1.4385

Triad

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



31.4420, 20.8866, 3.6707



8.6931, 20.8866, 14.9304



24.6605, 20.8866, 90.7970

Complementary

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



31.4420, 20.8866, 3.6707



25.7501, 31.0362, 68.9230

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.



16.8946, 20.8866, 93.4243



31.4420, 20.8866, 3.6707



8.9030, 20.8866, 38.0769

Square

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



31.4420, 20.8866, 3.6707



10.8575, 20.8866, 4.5735



11.5306, 20.8866, 70.1280



32.8014, 20.8866, 64.3117

Rectangle

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



31.4420, 20.8866, 3.6707



17.9450, 20.8866, 1.3485



11.5306, 20.8866, 70.1280



21.8897, 20.8866, 94.9168

Sweetspot

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



31.4425, 20.8878, 3.6710



72.8998, 69.9352, 57.6302



35.1132, 18.0667, 36.2244



15.0836, 14.2470, 11.1820



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.



31.4425, 20.8878, 3.6710



43.6529, 26.0857, 2.7343



43.6275, 45.2578, 7.7327



12.7118, 12.9977, 12.9995



17.8694, 10.8560, 1.1536



1.1485, 0.7961, 0.0931

Inverse Universe

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



25.7501, 31.0362, 68.9230



34.6839, 40.4879, 100.5946



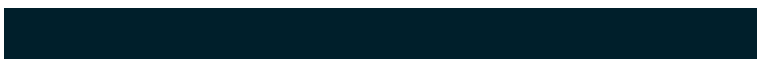
15.0757, 9.6874, 65.3649



12.4759, 13.4752, 15.8809



14.2508, 16.7634, 40.9377



0.9289, 1.1498, 2.4923

Previews

White Background



This preview shows how the XYZ color 31.4420, 20.8866, 3.6707 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 31.4420, 20.8866, 3.6707 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 31.4420, 20.8866, 3.6707

Background



This preview shows how black text looks on a background with the XYZ color 31.4420, 20.8866, 3.6707.



This preview shows how white text looks on a background with the XYZ color 31.4420, 20.8866,

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

31.4420, 20.8866, 3.6707

Protanopia

19.1626, 21.0967, 5.2526

Deuteranopia

21.2575, 20.9241, 3.1481



Tritanopia

32.9726, 20.9682, 10.4930

Trichromacy



Original Color

31.4420, 20.8866, 3.6707

Protanomaly

22.3965, 19.9438, 4.5028

Deuteranomaly

24.1736, 20.2561, 3.1259

Tritanomaly

32.1867, 20.8540, 7.1793

Monochromacy



Original Color

31.4420, 20.8866, 3.6707

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.8682, 17.5473, 11.1439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4420, 20.8866, 3.6707 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(215, 84, 31)` looks like.

```
.text, #text, p{  
    color:rgb(215, 84, 31)  
}
```

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(215, 84, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 84, 31) }
```

Border

The CSS property to change the border of an element to XYZ 31.4420, 20.8866, 3.6707 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(215, 84, 31) }
```


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

```
.border{ border-color:rgb(215, 84, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 84, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 84, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 84, 31);  
box-shadow:4px 4px 4px 4px rgb(215, 84,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4420, 20.8866, 3.6707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 84, 31) }
```

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

```
.background{ background-color: rgb(215, 84,  
31) }
```

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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