

Converting Colors

XYZ(31.8786, 18.3805, 3.4885)

Have a look what the booklet for
XYZ(31.8786, 18.3805, 3.4885)
contains.

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Color

**XYZ(31.7467, 18.2893,
3.4471)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3623
RGB	222, 54, 35
RGB Percent	87%, 21%, 14%
CMY	0.1294, 0.7882, 0.8627
CMYK	0.00, 0.76, 0.84, 0.13
HSL	6°, 74%, 50%
HSV	6°, 84%, 87%
XYZ	31.7467, 18.2893, 3.4471
YIQ	102.0660, 106.2270, 29.7070

Conversions

Conversions Part 2

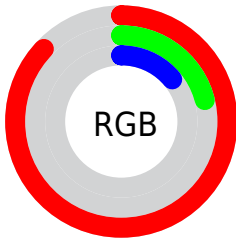
Format	Color
RYB	222, 56, 35
Decimal	14562851
CIELab	49.85, 63.10, 50.26
CIELCh	50, 80.668, 38.536
Yxy	18.2893, 0.5936, 0.3420
Android (android.graphics.Color)	4292752931 (0xFFDE3623)
YUV	102.0660, -33.0635, 105.1821
Hunter-Lab	42.7660, 57.6663, 25.1572

Details

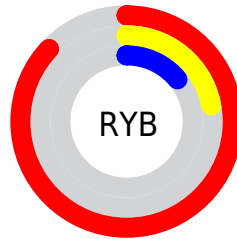
The XYZ color **31.7467, 18.2893, 3.4471** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **35.2306, 48.3368, 76.5796**, and the grayscale version is **12.7124, 13.3744, 14.5647**.

A 20% lighter version of the original color is **48.8186, 33.9192, 12.1576**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **30.7693, 16.7061, 1.9770**, and if you desaturate by 10%, it is **33.3133, 20.7186, 6.1406**.

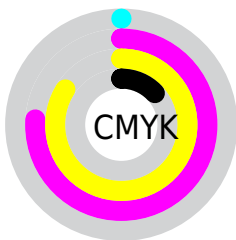
Distribution



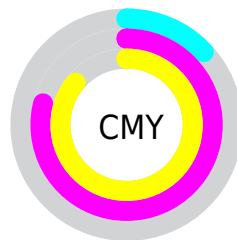
- Red (87%)
- Green (21%)
- Blue (14%)



- Red (87%)
- Yellow (22%)
- Blue (14%)



- Cyan (0%)
- Magenta (76%)
- Yellow (84%)
- Black (13%)





- Cyan (13%)
- Magenta (79%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7467, 18.2893, 3.4471 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 31.7467, 18.2893, 3.4471 by changing the saturation by 10% instead.


 31.7467, 18.2893,
3.4471


 31.7467, 18.2893,
3.4471


301.7296,
242.4967, 141.8660


 21.3227, 11.1579,
1.3272


 61.7817, 40.5297,
12.7131


 13.4739, 6.1731,
0.0839


 82.1233, 56.4074,
20.6963

 7.8349, 2.9506,
0.0000


 106.5016, 75.9694,
31.4709

 4.0404, 1.1060,
0.0000

 135.2819, 99.6000,
45.4557

 1.7250, 0.0000,
0.0000

 168.8294,
127.6837, 63.0690


 0.4719, 0.0000,
0.0000


 207.5097,


 0.0000, 0.0000,


160.6047, 84.7295


0.0000


 251.6879,
198.7476, 110.8556


 31.7467, 18.2893,
3.4471


 31.7467, 18.2893,
3.4471


 30.7693, 16.7061,
1.9770


 33.3133, 20.7186,
6.1406

 30.4218, 16.1253,
1.5091

 35.5436, 24.0873,
10.2499

 38.5020, 28.4799,
15.9348

 42.2448, 33.9705,
23.3333

 46.8230, 40.6262,
32.5683

■ 52.2830, 48.5091,
43.7515

■ 58.6679, 57.6764,
56.9857

■ 66.0179, 68.1821,
72.3663

■ 74.3709, 80.0768,
89.9829

Harmonies

Analogous

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



36.5480, 18.2893, 14.2542



31.7467, 18.2893, 3.4471



23.3909, 18.2893, 0.7597

Triad

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



31.7467, 18.2893, 3.4471



6.9160, 18.2893, 8.0693



19.6776, 18.2893, 98.3037

Complementary

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



31.7467, 18.2893, 3.4471



35.2306, 48.3368, 76.5796

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.



12.5041, 18.2893, 91.3045



31.7467, 18.2893, 3.4471



6.4592, 18.2893, 26.9027

Square

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



31.7467, 18.2893, 3.4471



9.6876, 18.2893, 1.7452



8.1757, 18.2893, 59.7962



28.3497, 18.2893, 74.9954

Rectangle

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



31.7467, 18.2893, 3.4471



17.7649, 18.2893, 0.3704



8.1757, 18.2893, 59.7962



17.0074, 18.2893, 99.6327

Sweetspot

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



31.7471, 18.2904, 3.4474



70.8043, 65.2982, 58.3066



41.5402, 21.0577, 58.5622



14.5673, 13.1291, 11.2727



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.



31.7471, 18.2904, 3.4474



41.6078, 21.9955, 2.0526



40.8921, 36.5805, 6.4957



13.8188, 13.9236, 14.2660



18.1077, 9.6533, 0.9089



1.2937, 0.7463, 0.0759

Inverse Universe

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



35.2306, 48.3368, 76.5796



46.0897, 63.2994, 104.3966



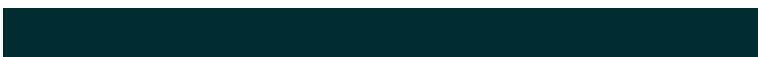
19.4323, 16.7401, 71.3135



13.9913, 15.3217, 17.6076



20.0688, 27.6071, 45.3193



1.4259, 1.9832, 3.1529

Previews

White Background



This preview shows how the XYZ color 31.7467, 18.2893, 3.4471 looks on a white 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

Black Background



This preview shows how the XYZ color 31.7467, 18.2893, 3.4471 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 31.7467, 18.2893, 3.4471

Background



This preview shows how black text looks on a background with the XYZ color 31.7467, 18.2893, 3.4471.



This preview shows how white text looks on a background with the XYZ color 31.7467, 18.2893,

3.4471.

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

31.7467, 18.2893, 3.4471

Protanopia

16.8895, 18.4281, 5.9156

Deuteranopia

18.7224, 18.4115, 2.8542



Tritanopia

31.9948, 18.2426, 5.2030

Trichromacy



Original Color

31.7467, 18.2893, 3.4471

Protanomaly

20.1024, 16.3810, 4.6871

Deuteranomaly

22.0762, 17.0484, 2.7432

Tritanomaly

31.8904, 18.2731, 4.4310

Monochromacy



Original Color

31.7467, 18.2893, 3.4471

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.4777, 13.1580, 8.8790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7467, 18.2893, 3.4471 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(222, 54, 35)` looks like.

```
.text, #text, p{  
    color:rgb(222, 54, 35)  
}
```

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(222, 54, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 54, 35) }
```

Border

The CSS property to change the border of an element to XYZ 31.7467, 18.2893, 3.4471 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(222, 54, 35) }
```


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

```
.border{ border-color:rgb(222, 54, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 54, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 54, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 54, 35);  
box-shadow:4px 4px 4px 4px rgb(222, 54,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7467, 18.2893, 3.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 54, 35) }
```

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

```
.background{ background-color: rgb(222, 54,  
35) }
```

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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