

Converting Colors

XYZ(38.1414, 31.5178, 7.5128)

Have a look what the booklet for
XYZ(38.1414, 31.5178, 7.5128)
contains.

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Color

**XYZ(38.1637, 31.4472,
7.5485)**

Conversions

Conversions Part 1

Format	Color
Hex	DC8236
RGB	220, 130, 54
RGB Percent	86%, 51%, 21%
CMY	0.1373, 0.4902, 0.7882
CMYK	0.00, 0.41, 0.75, 0.14
HSL	27°, 70%, 54%
HSV	27°, 75%, 86%
XYZ	38.1637, 31.4472, 7.5485
YIQ	148.2460, 78.0360, -4.5560

Conversions

Conversions Part 2

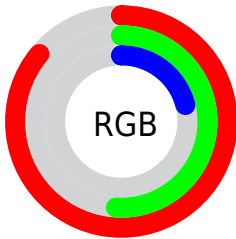
Format	Color
RYB	220, 194, 54
Decimal	14451254
CIELab	62.88, 28.86, 53.85
CIELCh	63, 61.090, 61.813
Yxy	31.4472, 0.4946, 0.4076
Android (android.graphics.Color)	4292641334 (0xFFDC8236)
YUV	148.2460, -46.4633, 62.9283
Hunter-Lab	56.0778, 23.3419, 31.2736

Details

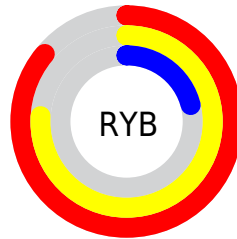
The XYZ color **38.1637, 31.4472, 7.5485** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **24.4122, 25.8968, 71.4217**, and the grayscale version is **28.4171, 29.8970, 32.5578**.

A 20% lighter version of the original color is **60.9303, 56.5609, 21.0706**, and **17.1667, 13.1082, 1.6254** is the 20% darker color. If you saturate the color by 10%, you get **36.2636, 28.2954, 4.9169**, and if you desaturate by 10%, it is **40.4827, 35.0635, 11.4722**.

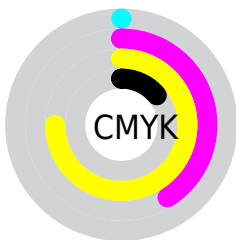
Distribution



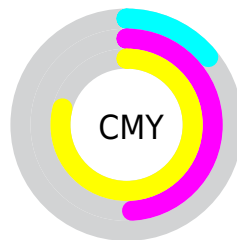
- Red (86%)
- Green (51%)
- Blue (21%)



- Red (86%)
- Yellow (76%)
- Blue (21%)



- Cyan (0%)
- Magenta (41%)
- Yellow (75%)
- Black (14%)





- Cyan (14%)
- Magenta (49%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1637, 31.4472, 7.5485 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 38.1637, 31.4472, 7.5485 by changing the saturation by 10% instead.


 38.1637, 31.4472,
7.5485


 38.1637, 31.4472,
7.5485

329.5904,
308.5933, 181.9468

 26.2876, 20.9396,
3.7238


 71.6613, 61.9435,
21.5998


 17.1727, 13.0799,
1.4751


 94.0134, 82.7009,
32.6635

 10.4538, 7.4836,
0.1993


 120.5882,
107.6438, 46.9774

 5.7654, 3.7663,
0.0000

 151.7511,
137.1565, 64.9598

 2.7423, 1.5437,
0.0000

 187.8674,
171.6234, 87.0294

 1.0190, 0.3192,
0.0000

 229.3025,

 0.0000, 0.0000,

211.4289, 113.6048

0.0000

276.4217,
256.9574, 145.1044

■ 38.1637, 31.4472,
7.5485

■ 38.1637, 31.4472,
7.5485

■ 36.2636, 28.2954,
4.9169

■ 40.4827, 35.0635,
11.4722

■ 34.7396, 25.5770,
3.3931

■ 43.2523, 39.1625,
16.8353

■ 34.1425, 24.4705,
2.9238

■ 46.5029, 43.7668,
23.7669

■ 50.2613, 48.8958,
32.3808

■ 54.5519, 54.5676,
42.7804

■ 59.3975, 60.7995,
55.0604

■ 64.8195, 67.6077,
69.3090

■ 70.8377, 75.0078,
85.6088

■ 77.4714, 83.0147,
104.0373

Harmonies

Analogous

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



45.7767, 31.4472, 15.2228



38.1637, 31.4472, 7.5485



29.3829, 31.4472, 5.7296

Triad

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



38.1637, 31.4472, 7.5485



16.5056, 31.4472, 35.7210



39.2120, 31.4472, 90.3190

Complementary

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



38.1637, 31.4472, 7.5485



24.4122, 25.8968, 71.4217

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.



30.4021, 31.4472, 104.1597



38.1637, 31.4472, 7.5485



18.1830, 31.4472, 64.7765

Square

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



38.1637, 31.4472, 7.5485



17.8196, 31.4472, 16.7433



22.9072, 31.4472, 93.1340



46.4572, 31.4472, 60.9862

Rectangle

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



38.1637, 31.4472, 7.5485



24.2941, 31.4472, 6.7845



22.9072, 31.4472, 93.1340



36.2845, 31.4472, 97.4234

Sweetspot

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



38.1644, 31.4488, 7.5491



77.6858, 78.1457, 63.4228



35.9684, 19.9077, 28.8567



16.1280, 16.0756, 12.3323



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.



38.1644, 31.4488, 7.5491



49.2704, 37.0741, 5.3672



53.6494, 62.4189, 12.7107



13.5448, 14.0289, 13.7195



20.1466, 14.5788, 1.7521



1.3907, 1.1154, 0.1420

Inverse Universe

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



24.4122, 25.8968, 71.4217



29.1106, 28.8184, 98.6360



16.1788, 9.4298, 68.6772



12.9206, 13.7810, 16.6311



11.5849, 11.0392, 41.2586



0.8363, 0.8868, 2.7015

Previews

White Background



This preview shows how the XYZ color 38.1637, 31.4472, 7.5485 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 38.1637, 31.4472, 7.5485 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 ✓ Pass

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

XYZ 38.1637, 31.4472, 7.5485

Background



This preview shows how black text looks on a background with the XYZ color 38.1637, 31.4472, 7.5485.



This preview shows how white text looks on a background with the XYZ color 38.1637, 31.4472,

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

38.1637, 31.4472, 7.5485

Protanopia

28.7844, 31.6548, 8.8678

Deuteranopia

32.1656, 31.5489, 7.3000



Tritanopia

41.7967, 31.4051, 25.3316

Trichromacy



Original Color

38.1637, 31.4472, 7.5485

Protanomaly

31.6282, 31.2477, 8.3674

Deuteranomaly

34.3327, 31.5517, 7.4125

Tritanomaly

40.2132, 31.3345, 16.7607

Monochromacy



Original Color

38.1637, 31.4472, 7.5485

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.0177, 29.2633, 19.9859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1637, 31.4472, 7.5485 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(220, 130, 54)` looks like.

```
.text, #text, p{  
    color:rgb(220, 130, 54)  
}
```

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(220, 130, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 130, 54) }
```

Border

The CSS property to change the border of an element to XYZ 38.1637, 31.4472, 7.5485 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(220, 130, 54) }
```


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

```
.border{ border-color:rgb(220, 130, 54) }
```

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

Here you see how a box with a 4 pixel rgb(220, 130, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 130, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 130, 54);  
box-shadow:4px 4px 4px 4px rgb(220, 130,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1637, 31.4472, 7.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 130, 54) }
```

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

```
.background{ background-color: rgb(220,  
130, 54) }
```

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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