

Converting Colors

XYZ(36.9443, 28.1243, 8.1646)

Have a look what the booklet for
XYZ(36.9443, 28.1243, 8.1646)
contains.

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Color

**XYZ(36.8467, 27.9925,
8.1637)**

Conversions

Conversions Part 1

Format	Color
Hex	DD733F
RGB	221, 115, 63
RGB Percent	87%, 45%, 25%
CMY	0.1333, 0.5490, 0.7529
CMYK	0.00, 0.48, 0.71, 0.13
HSL	20°, 70%, 56%
HSV	20°, 71%, 87%
XYZ	36.8467, 27.9925, 8.1637
YIQ	140.7660, 79.8680, 6.3000

Conversions

Conversions Part 2

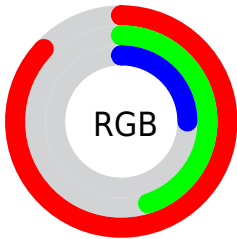
Format	Color
RYB	221, 141, 63
Decimal	14512959
CIELab	59.88, 37.50, 46.50
CIElCh	60, 59.734, 51.113
Yxy	27.9925, 0.5047, 0.3834
Android (android.graphics.Color)	4292703039 (0xFFDD733F)
YUV	140.7660, -38.3386, 70.3652
Hunter-Lab	52.9079, 31.7239, 27.8871

Details

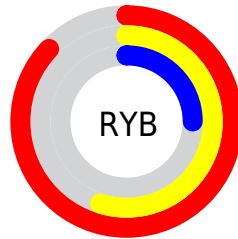
The XYZ color **36.8467, 27.9925, 8.1637** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **29.2879, 34.6509, 73.5507**, and the grayscale version is **25.3501, 26.6703, 29.0439**.

A 20% lighter version of the original color is **58.2233, 50.4575, 22.2934**, and **16.4032, 11.1694, 1.6721** is the 20% darker color. If you saturate the color by 10%, you get **34.7917, 24.6806, 5.0190**, and if you desaturate by 10%, it is **39.4227, 31.9503, 12.7047**.

Distribution



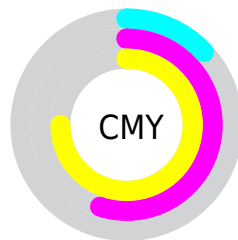
- Red (87%)
- Green (45%)
- Blue (25%)



- Red (87%)
- Yellow (55%)
- Blue (25%)



- Cyan (0%)
- Magenta (48%)
- Yellow (71%)
- Black (13%)





- Cyan (13%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8467, 27.9925, 8.1637 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 36.8467, 27.9925, 8.1637 by changing the saturation by 10% instead.


 36.8467, 27.9925,
8.1637


 36.8467, 27.9925,
8.1637


324.0134,
292.4311, 186.9927

 25.2619, 18.3200,
4.1106


 69.6523, 56.4725,
22.8302


 16.4021, 11.1800,
1.6862


 91.6039, 76.0487,
34.2807


 9.9018, 6.1880,
0.3513


 117.7418, 99.6950,
49.0340

 5.3956, 2.9597,
0.0000

 148.4313,
127.7958, 67.5088

 2.5183, 1.1108,
0.0000

 184.0379,
160.7354, 90.1235

 0.9045, 0.0000,
0.0000

 224.9269,

 0.0000, 0.0000,

198.8982, 117.2967

0.0000

271.4636,
242.6686, 149.4469

■ 36.8467, 27.9925,
8.1637

■ 36.8467, 27.9925,
8.1637

■ 34.7917, 24.6806,
5.0190

■ 39.4227, 31.9503,
12.7047

■ 33.2110, 21.9715,
3.0978


■ 42.5563, 36.5844,
18.7841


■ 32.1842, 20.1033,
2.1840


■ 46.2826, 41.9281,
26.5277


■ 50.6331, 48.0114,
36.0478

■ 55.6367, 54.8621,
47.4470

 61.3206, 62.5066,
60.8199

 67.7103, 70.9702,
76.2547

 74.8298, 80.2766,
93.8342

 81.5708, 89.9965,
107.6796

Harmonies

Analogous

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



42.6531, 27.9925, 17.7786



36.8467, 27.9925, 8.1637



28.9221, 27.9925, 5.0407

Triad

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



36.8467, 27.9925, 8.1637



14.6462, 27.9925, 24.4739



32.2099, 27.9925, 88.3676

Complementary

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



36.8467, 27.9925, 8.1637



29.2879, 34.6509, 73.5507

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.



24.4170, 27.9925, 93.1299



36.8467, 27.9925, 8.1637



15.1926, 27.9925, 48.1260

Square

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



36.8467, 27.9925, 8.1637



16.7959, 27.9925, 11.0648



18.4638, 27.9925, 75.8922



39.6422, 27.9925, 64.9178

Rectangle

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



36.8467, 27.9925, 8.1637



23.8941, 27.9925, 5.1261



18.4638, 27.9925, 75.8922



29.5158, 27.9925, 92.5381

Sweetspot

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



36.8473, 27.9940, 8.1642



77.1870, 76.2010, 66.1764



38.9437, 21.8662, 40.6795



16.0872, 15.7203, 13.1625



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.



36.8473, 27.9940, 8.1642



46.9041, 32.0861, 5.3663



49.5727, 53.4447, 12.4060



13.4044, 13.7481, 13.6727



18.7890, 11.8636, 1.2996



1.2946, 0.9232, 0.1100

Inverse Universe

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



29.2879, 34.6509, 73.5507



35.6628, 41.3811, 100.7155



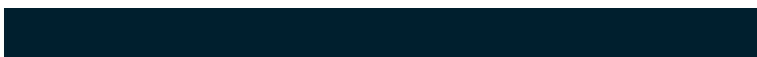
18.9254, 13.9260, 70.0966



13.0649, 14.0696, 16.6792



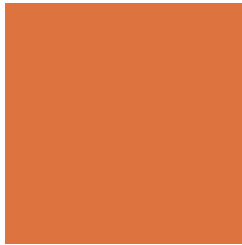
13.8645, 15.5985, 42.0185



0.9757, 1.1656, 2.7480

Previews

White Background



This preview shows how the XYZ color 36.8467, 27.9925, 8.1637 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 36.8467, 27.9925, 8.1637 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 36.8467, 27.9925, 8.1637

Background



This preview shows how black text looks on a background with the XYZ color 36.8467, 27.9925, 8.1637.



This preview shows how white text looks on a background with the XYZ color 36.8467, 27.9925,

8.1637.

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

36.8467, 27.9925, 8.1637

Protanopia

25.7923, 28.1923, 10.2131

Deuteranopia

28.6494, 28.1757, 7.7994



Tritanopia

39.3615, 28.0455, 19.8617

Trichromacy



Original Color

36.8467, 27.9925, 8.1637

Protanomaly

28.8907, 27.4249, 9.4011

Deuteranomaly

31.2777, 27.8831, 7.8711

Tritanomaly

38.2735, 27.9199, 14.6811

Monochromacy



Original Color

36.8467, 27.9925, 8.1637

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.8095, 26.2408, 19.2221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8467, 27.9925, 8.1637 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(221, 115, 63)` looks like.

```
.text, #text, p{  
    color:rgb(221, 115, 63)  
}
```

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(221, 115, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 115, 63) }
```

Border

The CSS property to change the border of an element to XYZ 36.8467, 27.9925, 8.1637 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(221, 115, 63) }
```


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

```
.border{ border-color:rgb(221, 115, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 115, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 115, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 115, 63);  
box-shadow:4px 4px 4px 4px rgb(221, 115,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8467, 27.9925, 8.1637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 115, 63) }
```

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

```
.background{ background-color: rgb(221,  
115, 63) }
```

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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