

Converting Colors

XYZ(36.8000, 28.5145, 9.4101)

Have a look what the booklet for
XYZ(36.8000, 28.5145, 9.4101)
contains.

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Color

**XYZ(36.7973, 28.4591,
9.3481)**

Conversions

Conversions Part 1

Format	Color
Hex	DB7646
RGB	219, 118, 70
RGB Percent	86%, 46%, 27%
CMY	0.1412, 0.5372, 0.7255
CMYK	0.00, 0.46, 0.68, 0.14
HSL	19°, 67%, 57%
HSV	19°, 68%, 86%
XYZ	36.7973, 28.4591, 9.3481
YIQ	142.7270, 75.6040, 6.4840

Conversions

Conversions Part 2

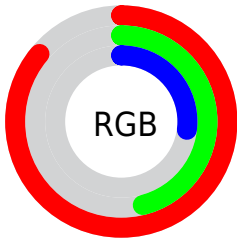
Format	Color
R_{YB}	219, 141, 70
Decimal	14382662
CIE _{Lab}	60.30, 35.53, 43.32
CIE _{LCh}	60, 56.030, 50.645
Yxy	28.4591, 0.4932, 0.3815
Android (android.graphics.Color)	4292572742 (0xFFDB7646)
YUV	142.7270, -35.8544, 66.8914
Hunter-Lab	53.3471, 29.7669, 26.9535

Details

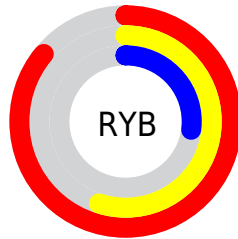
The XYZ color **36.7973, 28.4591, 9.3481** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **29.8738, 35.5402, 72.3028**, and the grayscale version is **26.1176, 27.4778, 29.9233**.

A 20% lighter version of the original color is **59.1931, 51.7419, 24.6367**, and **16.2525, 11.3413, 2.0916** is the 20% darker color. If you saturate the color by 10%, you get **34.6152, 25.0071, 5.8097**, and if you desaturate by 10%, it is **39.5078, 32.5652, 14.3061**.

Distribution



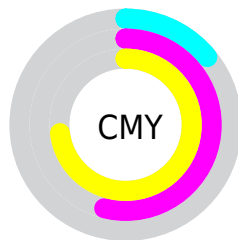
- Red (86%)
- Green (46%)
- Blue (27%)



- Red (86%)
- Yellow (55%)
- Blue (27%)



- Cyan (0%)
- Magenta (46%)
- Yellow (68%)
- Black (14%)





- Cyan (14%)
- Magenta (54%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7973, 28.4591, 9.3481 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 36.7973, 28.4591, 9.3481 by changing the saturation by 10% instead.


 36.7973, 28.4591,
9.3481


 36.7973, 28.4591,
9.3481


323.8029,
294.6542, 196.2666


 25.2235, 18.6720,
4.8690


 69.5768, 57.2166,
25.1503


 16.3733, 11.4335,
2.1132


 91.5132, 76.9558,
37.3104

 9.8812, 6.3592,
0.6236


 117.6346,
100.7811, 52.8680

 5.3819, 3.0647,
0.0000

 148.3062,
129.0771, 72.2416

 2.5101, 1.1656,
0.0000

 183.8935,
162.2279, 95.8497

 0.9003, 0.0334,
0.0000

224.7619,

 0.0000, 0.0000,

200.6182, 124.1109

0.0000

271.2765,
244.6321, 157.4437

■ 36.7973, 28.4591,
9.3481

■ 36.7973, 28.4591,
9.3481

■ 34.6152, 25.0071,
5.8097

■ 39.5078, 32.5652,
14.3061

■ 32.9178, 22.1673,
3.5329

■ 42.7813, 37.3545,
20.8157


■ 31.6506, 19.8971,
2.2959


■ 46.6514, 42.8600,
28.9955


■ 31.4385, 19.5105,
2.1089


■ 51.1484, 49.1106,
38.9516

■ 56.3002, 56.1340,
50.7817

 62.1331, 63.9560,
64.5761

 68.6719, 72.6014,
80.4192

 75.9399, 82.0938,
98.3905

 81.9491, 91.6518,
107.9791

Harmonies

Analogous

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



42.1585, 28.4591, 19.0191



36.7973, 28.4591, 9.3481



29.3596, 28.4591, 6.0384

Triad

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



36.7973, 28.4591, 9.3481



15.5732, 28.4591, 24.9863



32.2223, 28.4591, 84.7659

Complementary

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



36.7973, 28.4591, 9.3481



29.8738, 35.5402, 72.3028

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.



24.8639, 28.4591, 88.7702



36.7973, 28.4591, 9.3481



16.0655, 28.4591, 47.1474

Square

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



36.7973, 28.4591, 9.3481



17.7062, 28.4591, 12.0506



19.1959, 28.4591, 72.7900



39.2091, 28.4591, 63.4853

Rectangle

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



36.7973, 28.4591, 9.3481



24.5754, 28.4591, 6.0906



19.1959, 28.4591, 72.7900



29.6844, 28.4591, 88.4585

Sweetspot

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



36.7980, 28.4606, 9.3486



77.8457, 77.0328, 67.8927



38.8323, 22.4120, 41.2167



16.2127, 15.8769, 13.4949



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.



36.7980, 28.4606, 9.3486



47.6664, 33.3269, 6.4949



49.0989, 53.0624, 13.4489



13.3968, 13.7330, 13.6702



18.7299, 11.7454, 1.2799



1.2901, 0.9142, 0.1085

Inverse Universe

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



29.8738, 35.5402, 72.3028



37.0767, 43.6074, 101.0707



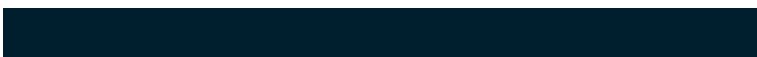
19.6161, 15.0248, 68.8835



13.0728, 14.0854, 16.6819



14.0052, 15.8798, 42.0653



0.9841, 1.1823, 2.7508

Previews

White Background



This preview shows how the XYZ color 36.7973, 28.4591, 9.3481 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 36.7973, 28.4591, 9.3481 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 36.7973, 28.4591, 9.3481

Background



This preview shows how black text looks on a background with the XYZ color 36.7973, 28.4591, 9.3481.



This preview shows how white text looks on a background with the XYZ color 36.7973, 28.4591,

9.3481.

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

36.7973, 28.4591, 9.3481

Protanopia

26.3881, 28.6993, 11.5459

Deuteranopia

29.2428, 28.6706, 8.9938



Tritanopia

39.3085, 28.4740, 21.1935

Trichromacy



Original Color

36.7973, 28.4591, 9.3481

Protanomaly

29.4001, 28.0752, 10.7070

Deuteranomaly

31.6351, 28.2399, 9.0937

Tritanomaly

38.2344, 28.3661, 16.0304

Monochromacy



Original Color

36.7973, 28.4591, 9.3481

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.4721, 26.9691, 20.2279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7973, 28.4591, 9.3481 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(219, 118, 70)` looks like.

```
.text, #text, p{  
    color:rgb(219, 118, 70)  
}
```

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(219, 118, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 118, 70) }
```

Border

The CSS property to change the border of an element to XYZ 36.7973, 28.4591, 9.3481 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(219, 118, 70) }
```


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

```
.border{ border-color:rgb(219, 118, 70) }
```

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

Here you see how a box with a 4 pixel rgb(219, 118, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 118, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 118, 70);  
box-shadow:4px 4px 4px 4px rgb(219, 118,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7973, 28.4591, 9.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 118, 70) }
```

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

```
.background{ background-color: rgb(219,  
118, 70) }
```

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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