

Converting Colors

XYZ(37.4499, 29.4585, 7.9671)

Have a look what the booklet for
XYZ(37.4499, 29.4585, 7.9671)
contains.

XYZ(37.5939, 29.6175, 8.0103)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.5939, 29.6175,
8.0103)**

Conversions

Conversions Part 1

Format	Color
Hex	DD7A3C
RGB	221, 122, 60
RGB Percent	87%, 48%, 24%
CMY	0.1333, 0.5215, 0.7647
CMYK	0.00, 0.45, 0.73, 0.13
HSL	23°, 70%, 55%
HSV	23°, 73%, 87%
XYZ	37.5939, 29.6175, 8.0103
YIQ	144.5330, 78.9060, 1.7060

Conversions

Conversions Part 2

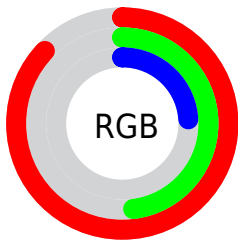
Format	Color
R_{YB}	221, 161, 60
Decimal	14514748
CIE _{Lab}	61.32, 33.74, 49.51
CIE _{LCh}	61, 59.914, 55.729
Yxy	29.6175, 0.4998, 0.3937
Android (android.graphics.Color)	4292704828 (0xFFDD7A3C)
YUV	144.5330, -41.6748, 67.0616
Hunter-Lab	54.4220, 28.0668, 29.3686

Details

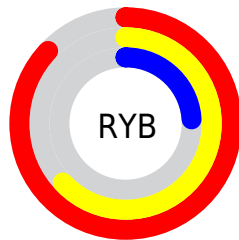
The XYZ color **37.5939, 29.6175, 8.0103** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.3117, 30.9753, 72.9453**, and the grayscale version is **26.8662, 28.2654, 30.7810**.

A 20% lighter version of the original color is **59.3844, 53.0457, 21.8608**, and **16.7888, 11.9954, 1.6315** is the 20% darker color. If you saturate the color by 10%, you get **35.5736, 26.3249, 5.0317**, and if you desaturate by 10%, it is **40.0927, 33.4774, 12.3516**.

Distribution



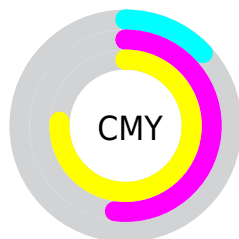
- Red (87%)
- Green (48%)
- Blue (24%)



- Red (87%)
- Yellow (63%)
- Blue (24%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (13%)





- Cyan (13%)
- Magenta (52%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5939, 29.6175, 8.0103 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 37.5939, 29.6175, 8.0103 by changing the saturation by 10% instead.


 37.5939, 29.6175,
8.0103


 37.5939, 29.6175,
8.0103


327.1857,
300.1174, 185.7504


 25.8434, 19.5484,
4.0137


 70.7932, 59.0567,
22.5251

 16.8386, 12.0672,
1.6328


 92.9727, 79.1957,
33.8804


 10.2141, 6.7895,
0.3141


 119.3593,
103.4601, 48.5257

 5.6045, 3.3308,
0.0000

 150.3183,
132.2344, 66.8795

 2.6445, 1.3068,
0.0000

 186.2151,
165.9028, 89.3603

 0.9687, 0.1464,
0.0000

 227.4151,

 0.0000, 0.0000,

204.8499, 116.3867

0.0000

274.2835,
249.4600, 148.3772

■ 37.5939, 29.6175,
8.0103

■ 37.5939, 29.6175,
8.0103

■ 35.5736, 26.3249,
5.0317

■ 40.0927, 33.4774,
12.3516

■ 33.9875, 23.5627,
3.2392

■ 43.1041, 37.9288,
18.1996

■ 33.0760, 21.8869,
2.4813

■ 46.6608, 42.9999,
25.6814

■ 50.7919, 48.7154,
34.9099

■ 55.5243, 55.0984,
45.9880

■ 60.8830, 62.1710,
59.0106

■ 66.8914, 69.9540,
74.0658

■ 73.5718, 78.4674,
91.2366

■ 80.3107, 87.4764,
107.2595

Harmonies

Analogous

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



44.1613, 29.6175, 16.8164



37.5939, 29.6175, 8.0103



29.2963, 29.6175, 5.4191

Triad

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



37.5939, 29.6175, 8.0103



15.5629, 29.6175, 29.1178



35.2689, 29.6175, 89.4142

Complementary

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



37.5939, 29.6175, 8.0103



27.3117, 30.9753, 72.9453

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.



27.0351, 29.6175, 97.9413



37.5939, 29.6175, 8.0103



16.5694, 29.6175, 55.0455

Square

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



37.5939, 29.6175, 8.0103



17.3762, 29.6175, 13.4386



20.4379, 29.6175, 83.1750



42.6525, 29.6175, 63.4500

Rectangle

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



37.5939, 29.6175, 8.0103



24.2322, 29.6175, 5.8912



20.4379, 29.6175, 83.1750



32.4700, 29.6175, 94.8138

Sweetspot

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



37.5946, 29.6191, 8.0108



77.2634, 76.8312, 64.7297



37.7171, 21.1170, 35.0181



16.1331, 15.9048, 12.8918



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.



37.5946, 29.6191, 8.0108



48.0649, 34.4673, 5.5694



51.8054, 58.0408, 12.7478



13.4651, 13.8696, 13.6930



19.3164, 12.9183, 1.4754



1.3333, 1.0008, 0.1229

Inverse Universe

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



27.3117, 30.9753, 72.9453



32.9741, 36.1300, 99.8436



17.6951, 11.7421, 69.7398



13.0019, 13.9435, 16.6582



12.7996, 13.4686, 41.6635



0.9117, 1.0376, 2.7267

Previews

White Background



This preview shows how the XYZ color 37.5939, 29.6175, 8.0103 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 37.5939, 29.6175, 8.0103 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 37.5939, 29.6175, 8.0103

Background



This preview shows how black text looks on a background with the XYZ color 37.5939, 29.6175, 8.0103.



This preview shows how white text looks on a background with the XYZ color 37.5939, 29.6175,

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

37.5939, 29.6175, 8.0103

Protanopia

27.3079, 29.9116, 9.8031

Deuteranopia

30.2220, 29.6399, 7.7426



Tritanopia

40.4464, 29.5388, 22.3087

Trichromacy



Original Color

37.5939, 29.6175, 8.0103

Protanomaly

30.1943, 29.1612, 9.0383

Deuteranomaly

32.5523, 29.3514, 7.8206

Tritanomaly

39.2101, 29.5649, 15.6966

Monochromacy



Original Color

37.5939, 29.6175, 8.0103

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.2165, 27.9905, 19.7824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5939, 29.6175, 8.0103 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, 122, 60)` looks like.

```
.text, #text, p{  
    color:rgb(221, 122, 60)  
}
```

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, 122, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 122, 60) }
```

Border

The CSS property to change the border of an element to XYZ 37.5939, 29.6175, 8.0103 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, 122, 60) }
```


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

```
.border{ border-color:rgb(221, 122, 60) }
```

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

Here you see how a box with a 4 pixel rgb(221, 122, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 122, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 122, 60);  
box-shadow:4px 4px 4px 4px rgb(221, 122,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5939, 29.6175, 8.0103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 122, 60) }
```

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

```
.background{ background-color: rgb(221,  
122, 60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor