

# Converting Colors

XYZ(37.1184, 29.3281, 8.1297)

Have a look what the booklet for  
XYZ(37.1184, 29.3281, 8.1297)  
contains.

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# Color

**XYZ(37.0153, 29.3161,  
8.1225)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB7A3D
RGB	219, 122, 61
RGB Percent	86%, 48%, 24%
CMY	0.1412, 0.5215, 0.7608
CMYK	0.00, 0.44, 0.72, 0.14
HSL	23°, 69%, 55%
HSV	23°, 72%, 86%
XYZ	37.0153, 29.3161, 8.1225
YIQ	144.0490, 77.3930, 1.5930

# Conversions

## Conversions Part 2

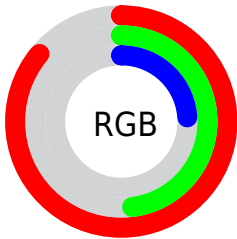
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 160, 61
Decimal	14383677
CIE <sub>Lab</sub>	61.06, 32.98, 48.67
CIE <sub>LCh</sub>	61, 58.790, 55.877
Yxy	29.3161, 0.4972, 0.3937
Android (android.graphics.Color)	4292573757 (0xFFDB7A3D)
YUV	144.0490, -40.9432, 65.7320
Hunter-Lab	54.1443, 27.2773, 29.0066

# Details

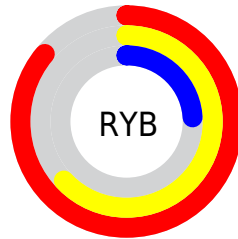
The XYZ color **37.0153, 29.3161, 8.1225** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **26.9366, 30.5584, 71.4961**, and the grayscale version is **26.6678, 28.0566, 30.5536**.

A 20% lighter version of the original color is **59.4392, 53.0676, 22.1492**, and **16.4672, 11.9236, 1.6920** is the 20% darker color. If you saturate the color by 10%, you get **35.0033, 26.0513, 5.1118**, and if you desaturate by 10%, it is **39.4978, 33.1370, 12.4780**.

# Distribution



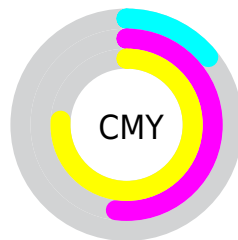
- Red (86%)
- Green (48%)
- Blue (24%)



- Red (86%)
- Yellow (63%)
- Blue (24%)



- Cyan (0%)
- Magenta (44%)
- Yellow (72%)
- Black (14%)




- Cyan (14%)
- Magenta (52%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0153, 29.3161, 8.1225 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 37.0153, 29.3161, 8.1225 by changing the saturation by 10% instead.




 37.0153, 29.3161,  
8.1225


 37.0153, 29.3161,  
8.1225


324.7311,  
298.7035, 186.6600


 25.3931, 19.3201,  
4.0845


 69.9100, 58.5789,  
22.7484


 16.5004, 11.9018,  
1.6718


 91.9132, 78.6145,  
34.1734

 9.9720, 6.6768,  
0.3413


 118.1074,  
102.7654, 48.8978

 5.4426, 3.2608,  
0.0000

 148.8579,  
131.4161, 67.3401

 2.5466, 1.2694,  
0.0000

 184.5302,  
164.9508, 89.9190

 0.9188, 0.1173,  
0.0000

 225.4896,

 0.0000, 0.0000,

203.7540, 117.0529

0.0000

272.1015,  
248.2101, 149.1604

■ 37.0153, 29.3161,  
8.1225

■ 37.0153, 29.3161,  
8.1225

■ 35.0033, 26.0513,  
5.1118

■ 39.4978, 33.1370,  
12.4780

■ 33.4189, 23.3069,  
3.2759


■ 42.4837, 37.5375,  
18.3175


■ 32.4271, 21.4877,  
2.4384


■ 46.0047, 42.5448,  
25.7641


■ 50.0891, 48.1829,  
34.9274

■ 54.7630, 54.4743,  
45.9076

 60.0506, 61.4403,  
58.7968

 65.9748, 69.1013,  
73.6809

 72.5572, 77.4765,  
90.6405

 79.3149, 86.3832,  
107.1010

# Harmonies

## Analogous

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



43.4086, 29.3161, 16.7682



37.0153, 29.3161, 8.1225



28.9414, 29.3161, 5.5653

# Triad

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



37.0153, 29.3161, 8.1225



15.5587, 29.3161, 28.9698



34.8332, 29.3161, 87.2378

# Complementary

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



37.0153, 29.3161, 8.1225



26.9366, 30.5584, 71.4961

# 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.



26.8139, 29.3161, 95.5815



37.0153, 29.3161, 8.1225



16.5594, 29.3161, 54.2155

# Square

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



37.0153, 29.3161, 8.1225



17.3227, 29.3161, 13.5622



20.3610, 29.3161, 81.4174



41.9948, 29.3161, 62.0790



# Rectangle

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



37.0153, 29.3161, 8.1225



24.0092, 29.3161, 6.0490



20.3610, 29.3161, 81.4174



32.1110, 29.3161, 92.4850

# Sweetspot

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



37.0160, 29.3177, 8.1230



77.2779, 76.8602, 64.7345



37.0910, 20.8812, 34.6194



16.1365, 15.9116, 12.8930



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.



37.0160, 29.3177, 8.1230



48.0908, 34.5190, 5.5780



50.8413, 56.9683, 12.7315



13.4662, 13.8718, 13.6933



19.3265, 12.9385, 1.4788



1.3341, 1.0022, 0.1231



# Inverse Universe

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



26.9366, 30.5584, 71.4961



32.9334, 36.0487, 99.8301



17.5381, 11.7615, 68.3633



13.0008, 13.9413, 16.6579



12.7819, 13.4333, 41.6576



0.9106, 1.0354, 2.7263



# Previews

## White Background



This preview shows how the XYZ color 37.0153, 29.3161, 8.1225 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 37.0153, 29.3161, 8.1225 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 37.0153, 29.3161, 8.1225**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0153, 29.3161, 8.1225.



This preview shows how white text looks on a background with the XYZ color 37.0153, 29.3161,



# 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

37.0153, 29.3161, 8.1225

### Protanopia

26.9739, 29.5020, 9.9030

### Deuteranopia

29.8591, 29.2320, 7.8100



## Tritanopia

39.8301, 29.2211, 22.2799

# Trichromacy



## Original Color

37.0153, 29.3161, 8.1225

## Protanomaly

29.9832, 29.0489, 9.1810

## Deuteranomaly

32.1772, 28.9509, 7.8951

## Tritanomaly

38.5975, 29.2491, 15.6679

# Monochromacy



## Original Color

37.0153, 29.3161, 8.1225

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

28.6360, 27.4812, 19.7147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0153, 29.3161, 8.1225 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, 122, 61)` looks like.

```
.text, #text, p{  
    color:rgb(219, 122, 61)  
}
```

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, 122, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 122, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0153, 29.3161, 8.1225 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, 122, 61) }
```



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

```
.border{ border-color:rgb(219, 122, 61) }
```

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

Here you see how a box with a 4 pixel rgb(219, 122, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 122, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 122, 61);  
box-shadow:4px 4px 4px 4px rgb(219, 122,  
61) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0153, 29.3161, 8.1225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 122, 61) }
```

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

```
.background{ background-color: rgb(219,  
122, 61) }
```

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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