

Converting Colors

XYZ(37.2188, 29.2193, 7.8536)

Have a look what the booklet for
XYZ(37.2188, 29.2193, 7.8536)
contains.

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Color

**XYZ(37.1420, 29.2062,
7.8174)**

Conversions

Conversions Part 1

Format	Color
Hex	DC793B
RGB	220, 121, 59
RGB Percent	86%, 47%, 23%
CMY	0.1373, 0.5255, 0.7686
CMYK	0.00, 0.45, 0.73, 0.14
HSL	23°, 70%, 55%
HSV	23°, 73%, 86%
XYZ	37.1420, 29.2062, 7.8174
YIQ	143.5330, 78.9060, 1.7060

Conversions

Conversions Part 2

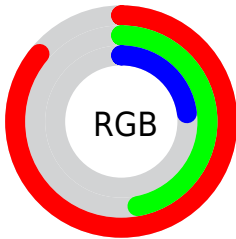
Format	Color
R_{YB}	220, 160, 59
Decimal	14448955
CIE _{Lab}	60.96, 33.81, 49.57
CIE _{LCh}	61, 60.003, 55.703
Yxy	29.2062, 0.5008, 0.3938
Android (android.graphics.Color)	4292639035 (0xFFDC793B)
YUV	143.5330, -41.6748, 67.0616
Hunter-Lab	54.0428, 28.1030, 29.2535

Details

The XYZ color **37.1420, 29.2062, 7.8174** 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 **26.9477, 30.5488, 72.1859**, and the grayscale version is **26.4622, 27.8403, 30.3181**.

A 20% lighter version of the original color is **59.1364, 52.6362, 21.5110**, and **16.5787, 11.8884, 1.5645** is the 20% darker color. If you saturate the color by 10%, you get **35.1568, 25.9649, 4.9092**, and if you desaturate by 10%, it is **39.5993, 33.0078, 12.0689**.

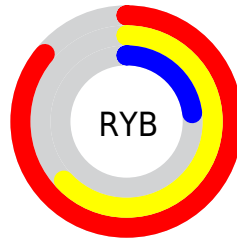
Distribution



Red (86%)

Green (47%)

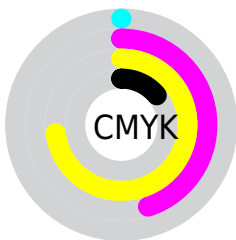
Blue (23%)



Red (86%)

Yellow (63%)

Blue (23%)

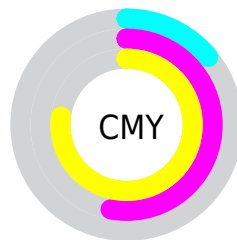


Cyan (0%)

Magenta (45%)

Yellow (73%)

Black (14%)



Cyan (14%)


Magenta (53%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1420, 29.2062, 7.8174 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 37.1420, 29.2062, 7.8174 by changing the saturation by 10% instead.


 37.1420, 29.2062,
7.8174


 37.1420, 29.2062,
7.8174


325.2698,
298.1866, 184.1735


 25.4916, 19.2369,
3.8922


 70.1035, 58.4045,
22.1399

 16.5744, 11.8416,
1.5664


 92.1454, 78.4023,
33.3744

 10.0249, 6.6359,
0.2667


 118.3819,
102.5117, 47.8823

 5.4779, 3.2354,
0.0000

 149.1782,
131.1171, 66.0823

 2.5679, 1.2559,
0.0000

 184.8998,
164.6029, 88.3929

 0.9296, 0.1066,
0.0000

 225.9120,

 0.0000, 0.0000,

203.3535, 115.2326

0.0000

272.5802,
247.7533, 147.0199

■ 37.1420, 29.2062,
7.8174

■ 37.1420, 29.2062,
7.8174

■ 35.1568, 25.9649,
4.9092

■ 39.5993, 33.0078,
12.0689

■ 33.5997, 23.2470,
3.1682

■ 42.5627, 37.3938,
17.8068

■ 32.7422, 21.6699,
2.4570

■ 46.0646, 42.3920,
25.1571

■ 50.1340, 48.0270,
34.2321

■ 54.7973, 54.3216,
45.1337

■ 60.0794, 61.2977,
57.9560

■ 66.0035, 68.9760,
72.7865

■ 72.5917, 77.3761,
89.7072

■ 79.5410, 86.3875,
107.0899

Harmonies

Analogous

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



43.6646, 29.2062, 16.5202



37.1420, 29.2062, 7.8174



28.9037, 29.2062, 5.2643

Triad

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



37.1420, 29.2062, 7.8174



15.2852, 29.2062, 28.6763



34.8184, 29.2062, 88.6611

Complementary

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



37.1420, 29.2062, 7.8174



26.9477, 30.5488, 72.1859

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.



26.6461, 29.2062, 97.1325



37.1420, 29.2062, 7.8174



16.2788, 29.2062, 54.4195

Square

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



37.1420, 29.2062, 7.8174



17.0824, 29.2062, 13.1598



20.1074, 29.2062, 82.4106



42.1557, 29.2062, 62.8293

Rectangle

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



37.1420, 29.2062, 7.8174



23.8792, 29.2062, 5.7261



20.1074, 29.2062, 82.4106



32.0392, 29.2062, 94.0320

Sweetspot

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



37.1427, 29.2078, 7.8179



77.2634, 76.8312, 64.7297



37.2750, 20.8220, 34.5303



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.



37.1427, 29.2078, 7.8179



47.8461, 34.0849, 5.3261



51.2415, 57.4055, 12.5175



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.



26.9477, 30.5488, 72.1859



32.7124, 35.7237, 99.7790



17.4310, 11.5154, 69.0136



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 37.1420, 29.2062, 7.8174 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 37.1420, 29.2062, 7.8174 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 37.1420, 29.2062, 7.8174

Background



This preview shows how black text looks on a background with the XYZ color 37.1420, 29.2062, 7.8174.



This preview shows how white text looks on a background with the XYZ color 37.1420, 29.2062,

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

37.1420, 29.2062, 7.8174

Protanopia

26.9129, 29.4776, 9.5815

Deuteranopia

29.8111, 29.2129, 7.5575



Tritanopia

39.9616, 29.1277, 21.9284

Trichromacy



Original Color

37.1420, 29.2062, 7.8174

Protanomaly

29.7811, 28.7375, 8.8277

Deuteranomaly

32.1273, 28.9309, 7.6323

Tritanomaly

38.7376, 29.1530, 15.3898

Monochromacy



Original Color

37.1420, 29.2062, 7.8174

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.7981, 27.5712, 19.4267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1420, 29.2062, 7.8174 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, 121, 59)` looks like.

```
.text, #text, p{  
    color:rgb(220, 121, 59)  
}
```

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, 121, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 121, 59) }
```

Border

The CSS property to change the border of an element to XYZ 37.1420, 29.2062, 7.8174 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, 121, 59) }
```


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

```
.border{ border-color:rgb(220, 121, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 121, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 121, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 121, 59);  
box-shadow:4px 4px 4px 4px rgb(220, 121,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1420, 29.2062, 7.8174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 121, 59) }
```

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

```
.background{ background-color: rgb(220,  
121, 59) }
```

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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