

Converting Colors

XYZ(37.0659, 37.9155, 9.5960)

Have a look what the booklet for
XYZ(37.0659, 37.9155, 9.5960)
contains.

XYZ(37.1137, 37.9581, 9.6455)	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(37.1137, 37.9581,
9.6455)**

Conversions

Conversions Part 1

Format	Color
Hex	C7A13C
RGB	199, 161, 60
RGB Percent	78%, 63%, 24%
CMY	0.2196, 0.3686, 0.7647
CMYK	0.00, 0.19, 0.70, 0.22
HSL	44°, 55%, 51%
HSV	44°, 70%, 78%
XYZ	37.1137, 37.9581, 9.6455
YIQ	160.8480, 55.0690, -23.3550

Conversions

Conversions Part 2

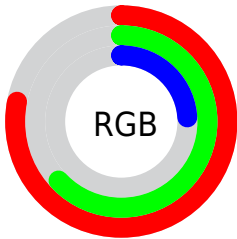
Format	Color
RYB	112, 199, 60
Decimal	13082940
CIELab	67.99, 3.43, 55.65
CIElCh	68, 55.759, 86.472
Yxy	37.9581, 0.4381, 0.4481
Android (android.graphics.Color)	4291273020 (0xFFC7A13C)
YUV	160.8480, -49.7181, 33.4593
Hunter-Lab	61.6101, -0.2901, 33.8448

Details

The XYZ color **37.1137, 37.9581, 9.6455** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.5399, 13.8191, 55.8282**, and the grayscale version is **34.0123, 35.7836, 38.9683**.

A 20% lighter version of the original color is **68.7765, 71.5640, 25.8111**, and **16.5604, 16.8146, 2.3727** is the 20% darker color. If you saturate the color by 10%, you get **35.7536, 35.9274, 7.0670**, and if you desaturate by 10%, it is **38.7147, 40.1543, 13.2807**.

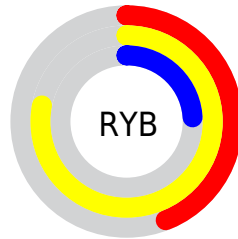
Distribution



Red (78%)

Green (63%)

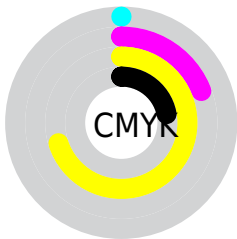
Blue (24%)



Red (44%)

Yellow (78%)

Blue (24%)

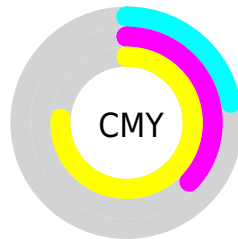


Cyan (0%)

Magenta (19%)

Yellow (70%)

Black (22%)



Cyan (22%)


Magenta (37%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1137, 37.9581, 9.6455 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 37.1137, 37.9581, 9.6455 by changing the saturation by 10% instead.


 37.1137, 37.9581,
9.6455


 37.1137, 37.9581,
9.6455


325.1495,
337.4402, 198.5149


 25.4696, 25.9502,
5.0620


 70.0603, 72.0439,
25.7239


 16.5579, 16.7864,
2.2243


 92.0936, 94.8906,
38.0558

 10.0131, 10.0823,
0.6884


 118.3206,
122.1190, 53.8077

 5.4700, 5.4536,
0.0000

 149.1067,
154.1134, 73.3981

 2.5631, 2.5158,
0.0000

 184.8173,
191.2584, 97.2454

 0.9272, 0.8845,
0.0000

225.8177,

 0.0000, 0.0000,

233.9383, 125.7683

0.0000

272.4733,
282.5374, 159.3853

■ 37.1137, 37.9581,
9.6455

■ 37.1137, 37.9581,
9.6455

■ 35.7536, 35.9274,
7.0670

■ 38.7147, 40.1543,
13.2807

■ 34.6077, 34.0463,
5.4189

■ 40.5744, 42.5195,
18.0752

■ 33.6323, 32.2979,
4.4702

■ 42.7115, 45.0634,
24.1219

■ 33.6180, 32.2719,
4.4572

■ 45.1423, 47.7934,
31.5035

■ 47.8815, 50.7161,
40.2957

■ 50.9430, 53.8379,
50.5685

■ 54.3395, 57.1645,
62.3872

■ 58.0831, 60.7015,
75.8131

■ 62.1854, 64.4544,
90.9044

Harmonies

Analogous

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



46.0914, 37.9581, 12.9391



37.1137, 37.9581, 9.6455



29.1456, 37.9581, 11.6311

Triad

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



37.1137, 37.9581, 9.6455



23.1184, 37.9581, 66.4732



51.8352, 37.9581, 73.7066

Complementary

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



37.1137, 37.9581, 9.6455



16.5399, 13.8191, 55.8282

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.



44.0308, 37.9581, 100.4899



37.1137, 37.9581, 9.6455



27.6313, 37.9581, 95.2704

Square

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



37.1137, 37.9581, 9.6455



21.8661, 37.9581, 38.4609



35.0618, 37.9581, 109.6418



55.4057, 37.9581, 44.3382

Rectangle

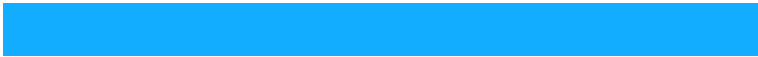
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.1137, 37.9581, 9.6455



25.2910, 37.9581, 16.3979



35.0618, 37.9581, 109.6418



49.5645, 37.9581, 83.7013

Sweetspot

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



37.1146, 37.9599, 9.6462



83.1025, 88.0320, 68.1482



27.4397, 16.2823, 13.5978



17.4927, 18.5312, 13.6309



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.



37.1146, 37.9599, 9.6462



61.4781, 61.1015, 10.6331



37.5763, 49.5951, 11.8677



11.2693, 11.9077, 11.2672



21.6934, 20.9039, 2.8915



1.0852, 1.1059, 0.1563

Inverse Universe

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



16.5399, 13.8191, 55.8282



23.4517, 16.6776, 96.5908



16.1528, 9.5352, 55.0217



10.2887, 10.7515, 13.4505



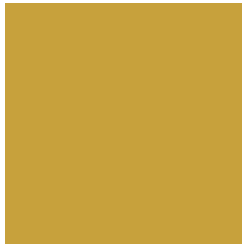
7.5524, 4.4987, 35.2146



0.4198, 0.3374, 1.6881

Previews

White Background



This preview shows how the XYZ color 37.1137, 37.9581, 9.6455 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37.1137, 37.9581, 9.6455 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1137, 37.9581, 9.6455

Background



This preview shows how black text looks on a background with the XYZ color 37.1137, 37.9581, 9.6455.



This preview shows how white text looks on a background with the XYZ color 37.1137, 37.9581,

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

37.1137, 37.9581, 9.6455

Protanopia

34.4861, 37.9236, 9.9173

Deuteranopia

38.8013, 38.0560, 9.7154



Tritanopia

43.3203, 38.0073, 39.2353

Trichromacy



Original Color

37.1137, 37.9581, 9.6455

Protanomaly

35.3530, 37.8350, 9.8545

Deuteranomaly

38.1423, 37.9706, 9.7336

Tritanomaly

40.3249, 37.7607, 24.5652

Monochromacy



Original Color

37.1137, 37.9581, 9.6455

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.0622, 36.0589, 24.2336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1137, 37.9581, 9.6455 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(199, 161, 60)` looks like.

```
.text, #text, p{  
    color:rgb(199, 161, 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(199, 161, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 161, 60) }
```

Border

The CSS property to change the border of an element to XYZ 37.1137, 37.9581, 9.6455 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(199, 161, 60) }
```


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

```
.border{ border-color:rgb(199, 161, 60) }
```

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

Here you see how a box with a 4 pixel rgb(199, 161, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 161, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 161, 60);  
box-shadow:4px 4px 4px 4px rgb(199, 161,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1137, 37.9581, 9.6455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 161, 60) }
```

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

```
.background{ background-color: rgb(199,  
161, 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](#).

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