

Converting Colors

XYZ(37.5667, 38.1078, 10.4861)

Have a look what the booklet for
XYZ(37.5667, 38.1078, 10.4861)
contains.

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Color

**XYZ(37.5477, 38.1624,
10.5414)**

Conversions

Conversions Part 1

Format	Color
Hex	C8A142
RGB	200, 161, 66
RGB Percent	78%, 63%, 26%
CMY	0.2157, 0.3686, 0.7412
CMYK	0.00, 0.19, 0.67, 0.22
HSL	43°, 55%, 52%
HSV	43°, 67%, 78%
XYZ	37.5477, 38.1624, 10.5414
YIQ	161.8310, 53.7390, -21.2770

Conversions

Conversions Part 2

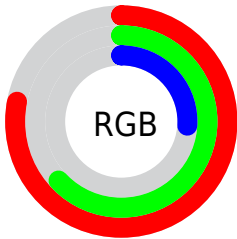
Format	Color
RYB	121, 200, 66
Decimal	13148482
CIELab	68.14, 4.20, 53.23
CIELCh	68, 53.400, 85.487
Yxy	38.1624, 0.4353, 0.4425
Android (android.graphics.Color)	4291338562 (0xFFC8A142)
YUV	161.8310, -47.2447, 33.4742
Hunter-Lab	61.7757, 0.3860, 33.1258

Details

The XYZ color **37.5477, 38.1624, 10.5414** 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 **17.7236, 15.4312, 56.6878**, and the grayscale version is **34.4609, 36.2556, 39.4823**.

A 20% lighter version of the original color is **69.0659, 71.6797, 27.3350**, and **16.7696, 16.9180, 2.5827** is the 20% darker color. If you saturate the color by 10%, you get **36.0647, 35.9809, 7.6293**, and if you desaturate by 10%, it is **39.2859, 40.5248, 14.5562**.

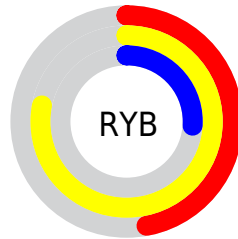
Distribution



Red (78%)

Green (63%)

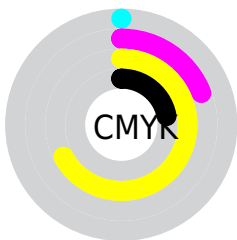
Blue (26%)



Red (47%)

Yellow (78%)

Blue (26%)

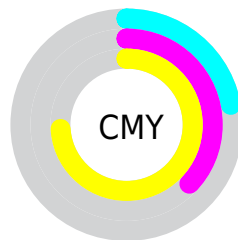


Cyan (0%)

Magenta (19%)

Yellow (67%)

Black (22%)



Cyan (22%)

Magenta (37%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5477, 38.1624, 10.5414 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 37.5477, 38.1624, 10.5414 by changing the saturation by 10% instead.

37.5477, 38.1624,
10.5414

37.5477, 38.1624,
10.5414

326.9902,
338.3161, 205.1169

25.8075, 26.1088,
5.6491

70.7227, 72.3570,
27.4325

16.8116, 16.9050,
2.5676

92.8882, 95.2667,
40.2684

10.1947, 10.1668,
0.8757

119.2595,
122.5639, 56.5893

5.5915, 5.5097,
0.0000

150.2019,
154.6330, 76.8137

2.6366, 2.5493,
0.0000

186.0809,
191.8584, 101.3601

0.9646, 0.9012,
0.0000

227.2617,

0.0000, 0.0000,

234.6244, 130.6470

0.0000

274.1097,
283.3155, 165.0931

■ 37.5477, 38.1624,
10.5414

■ 37.5477, 38.1624,
10.5414

■ 36.0647, 35.9809,
7.6293

■ 39.2859, 40.5248,
14.5562

■ 34.8111, 33.9644,
5.6985

■ 41.2967, 43.0714,
19.7735

■ 33.7566, 32.1013,
4.5894

■ 43.5987, 45.8123,
26.2844

■ 33.4622, 31.5651,
4.3290

■ 46.2079, 48.7547,
34.1705

■ 49.1391, 51.9056,
43.5067

■ 52.4060, 55.2713,
54.3624

■ 56.0215, 58.8580,
66.8025

■ 59.9977, 62.6714,
80.8882

■ 64.3461, 66.7169,
96.6774

Harmonies

Analogous

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



46.1287, 38.1624, 14.0513



37.5477, 38.1624, 10.5414



29.8055, 38.1624, 12.3705

Triad

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



37.5477, 38.1624, 10.5414



23.6464, 38.1624, 64.5896



51.1408, 38.1624, 73.3507

Complementary

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



37.5477, 38.1624, 10.5414



17.7236, 15.4312, 56.6878

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.



43.6125, 38.1624, 98.2604



37.5477, 38.1624, 10.5414



27.9304, 38.1624, 91.9896

Square

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



37.5477, 38.1624, 10.5414



22.5296, 38.1624, 38.0451



35.0259, 38.1624, 106.1351



54.7037, 38.1624, 45.2689

Rectangle

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



37.5477, 38.1624, 10.5414



26.0047, 38.1624, 16.9705



35.0259, 38.1624, 106.1351



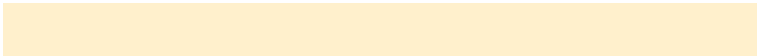
48.9389, 38.1624, 82.7378

Sweetspot

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



37.5486, 38.1643, 10.5422



83.3458, 88.0331, 69.7260



28.3798, 17.2209, 15.5190



17.5288, 18.5092, 13.9336



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.



37.5486, 38.1643, 10.5422



61.4949, 60.8138, 11.6291



38.9156, 50.6089, 12.8722



11.2531, 11.8754, 11.2618



21.3569, 20.2310, 2.7793



1.0714, 1.0783, 0.1517

Inverse Universe

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



17.7236, 15.4312, 56.6878



25.0308, 19.1549, 96.9857



16.8679, 10.3838, 55.7587



10.3040, 10.7820, 13.4556



7.6651, 4.7242, 35.2522



0.4267, 0.3511, 1.6904

Previews

White Background



This preview shows how the XYZ color 37.5477, 38.1624, 10.5414 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 37.5477, 38.1624, 10.5414 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 37.5477, 38.1624, 10.5414

Background



This preview shows how black text looks on a background with the XYZ color 37.5477, 38.1624, 10.5414.



This preview shows how white text looks on a background with the XYZ color 37.5477, 38.1624,

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

37.5477, 38.1624, 10.5414

Protanopia

34.8697, 38.3691, 11.0370

Deuteranopia

38.9721, 38.1244, 10.6149



Tritanopia

43.4096, 38.0430, 39.7054

Trichromacy



Original Color

37.5477, 38.1624, 10.5414

Protanomaly

35.7035, 38.2627, 10.8138

Deuteranomaly

38.3131, 38.0389, 10.6331

Tritanomaly

40.5195, 37.8386, 25.5900

Monochromacy



Original Color

37.5477, 38.1624, 10.5414

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.6556, 36.6031, 25.3172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5477, 38.1624, 10.5414 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(200, 161, 66)` looks like.

```
.text, #text, p{  
    color:rgb(200, 161, 66)  
}
```

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(200, 161, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 161, 66) }
```

Border

The CSS property to change the border of an element to XYZ 37.5477, 38.1624, 10.5414 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(200, 161, 66) }
```


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

```
.border{ border-color:rgb(200, 161, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 161, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 161, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 161, 66);  
box-shadow:4px 4px 4px 4px rgb(200, 161,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5477, 38.1624, 10.5414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 161, 66) }
```

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

```
.background{ background-color: rgb(200,  
161, 66) }
```

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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