

Converting Colors

XYZ(36.3991, 35.1542, 7.0533)

Have a look what the booklet for
XYZ(36.3991, 35.1542, 7.0533)
contains.

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Color

**XYZ(36.3864, 35.1378,
7.0550)**

Conversions

Conversions Part 1

Format	Color
Hex	CC972A
RGB	204, 151, 42
RGB Percent	80%, 59%, 16%
CMY	0.2000, 0.4078, 0.8353
CMYK	0.00, 0.26, 0.79, 0.20
HSL	40°, 66%, 48%
HSV	40°, 79%, 80%
XYZ	36.3864, 35.1378, 7.0550
YIQ	154.4210, 66.5770, -22.6630

Conversions

Conversions Part 2

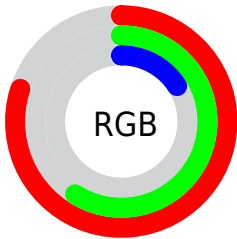
Format	Color
R _Y B	121, 204, 42
Decimal	13408042
CIE Lab	65.86, 10.23, 60.80
CIE LCh	66, 61.655, 80.453
Yxy	35.1378, 0.4631, 0.4472
Android (android.graphics.Color)	4291598122 (0xFFCC972A)
YUV	154.4210, -55.4236, 43.4808
Hunter-Lab	59.2771, 5.8346, 34.4375

Details

The XYZ color **36.3864, 35.1378, 7.0550** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **15.9460, 13.0359, 58.8021**, and the grayscale version is **31.1171, 32.7376, 35.6513**.

A 20% lighter version of the original color is **65.1826, 65.7672, 20.3252**, and **16.2342, 15.1341, 2.0655** is the 20% darker color. If you saturate the color by 10%, you get **35.0664, 32.9410, 5.2493**, and if you desaturate by 10%, it is **37.9545, 37.5340, 9.8601**.

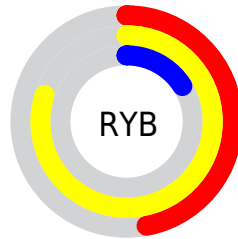
Distribution



Red (80%)

Green (59%)

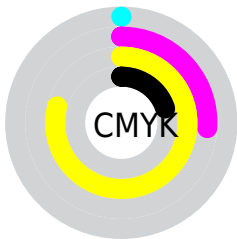
Blue (16%)



Red (47%)

Yellow (80%)

Blue (16%)

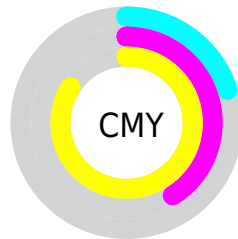


Cyan (0%)

Magenta (26%)

Yellow (79%)

Black (20%)



Cyan (20%)


Magenta (41%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3864, 35.1378, 7.0550 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 36.3864, 35.1378, 7.0550 by changing the saturation by 10% instead.


 36.3864, 35.1378,
7.0550


 36.3864, 35.1378,
7.0550

322.0481,
325.1762, 177.7682


 24.9043, 23.7690,
3.4176


 68.9480, 67.6992,
20.5985

 16.1341, 15.1624,
1.3116


 90.7582, 89.6606,
31.3417


 9.7105, 8.9334,
0.0713


 116.7418,
115.9217, 45.2905

 5.2682, 4.6978,
0.0000

 147.2642,
146.8669, 62.8635

 2.4419, 2.0711,
0.0000

 182.6906,
182.8805, 84.4792

 0.8660, 0.6483,
0.0000

 223.3865,

 0.0000, 0.0000,

224.3470, 110.5562

0.0000

269.7172,
271.6508, 141.5130

■ 36.3864, 35.1378,
7.0550

■ 36.3864, 35.1378,
7.0550

■ 35.0664, 32.9410,
5.2493

■ 37.9545, 37.5340,
9.8601

■ 33.9479, 30.9191,
4.2133

■ 39.7941, 40.1361,
13.7937

■ 33.8850, 30.8040,
4.1598

■ 41.9279, 42.9563,
18.9673

■ 44.3754, 46.0039,
25.4785

■ 47.1541, 49.2872,
33.4152

■ 50.2800, 52.8141,
42.8575

■ 53.7680, 56.5920,
53.8798

■ 57.6322, 60.6278,
66.5514

■ 61.8856, 64.9282,
80.9373

Harmonies

Analogous

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



45.8316, 35.1378, 11.1568



36.3864, 35.1378, 7.0550



27.6455, 35.1378, 7.8846

Triad

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



36.3864, 35.1378, 7.0550



19.5322, 35.1378, 58.5912



48.7988, 35.1378, 79.8896

Complementary

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



36.3864, 35.1378, 7.0550



15.9460, 13.0359, 58.8021

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.



39.8965, 35.1378, 107.0950



36.3864, 35.1378, 7.0550



23.4440, 35.1378, 91.4109

Square

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



36.3864, 35.1378, 7.0550



18.9361, 35.1378, 30.5304



30.5768, 35.1378, 112.0687



53.8094, 35.1378, 47.1931

Rectangle

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



36.3864, 35.1378, 7.0550



23.2770, 35.1378, 11.3822



30.5768, 35.1378, 112.0687



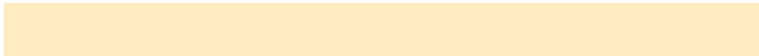
46.0937, 35.1378, 90.5040

Sweetspot

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



36.3872, 35.1395, 7.0557



80.6576, 84.5510, 62.9901



27.8412, 15.3381, 12.5601



16.8719, 17.6516, 12.3083



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.



36.3872, 35.1395, 7.0557



56.7879, 52.2421, 7.4631



40.1422, 52.6998, 10.2472



11.8325, 12.4540, 11.8597



21.4158, 19.5645, 2.6476



1.1722, 1.1440, 0.1590

Inverse Universe

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



15.9460, 13.0359, 58.8021



22.0392, 14.9575, 96.3332



14.1816, 7.2812, 57.7843



10.8965, 11.4334, 14.2029



8.1895, 5.4030, 36.5675



0.4917, 0.4171, 1.9095

Previews

White Background



This preview shows how the XYZ color 36.3864, 35.1378, 7.0550 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 36.3864, 35.1378, 7.0550 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 36.3864, 35.1378, 7.0550

Background



This preview shows how black text looks on a background with the XYZ color 36.3864, 35.1378, 7.0550.



This preview shows how white text looks on a background with the XYZ color 36.3864, 35.1378,

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

36.3864, 35.1378, 7.0550

Protanopia

32.0219, 35.3749, 7.5232

Deuteranopia

35.7335, 35.0411, 7.0707



Tritanopia

42.0563, 35.1656, 34.2768

Trichromacy



Original Color

36.3864, 35.1378, 7.0550

Protanomaly

33.4793, 35.1072, 7.2973

Deuteranomaly

36.0033, 35.1802, 7.0834

Tritanomaly

39.0625, 34.8305, 19.9934

Monochromacy



Original Color

36.3864, 35.1378, 7.0550

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.3851, 32.7454, 20.2891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3864, 35.1378, 7.0550 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(204, 151, 42)` looks like.

```
.text, #text, p{  
    color:rgb(204, 151, 42)  
}
```

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(204, 151, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 151, 42) }
```

Border

The CSS property to change the border of an element to XYZ 36.3864, 35.1378, 7.0550 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(204, 151, 42) }
```


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

```
.border{ border-color:rgb(204, 151, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 151, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 151, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 151, 42);  
box-shadow:4px 4px 4px 4px rgb(204, 151,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3864, 35.1378, 7.0550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 151, 42) }
```

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

```
.background{ background-color: rgb(204,  
151, 42) }
```

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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