

Converting Colors

XYZ(37.5822, 30.9216, 9.7657)

Have a look what the booklet for
XYZ(37.5822, 30.9216, 9.7657)
contains.

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Color

**XYZ(37.5710, 30.8944,
9.7774)**

Conversions

Conversions Part 1

Format	Color
Hex	D98146
RGB	217, 129, 70
RGB Percent	85%, 51%, 27%
CMY	0.1490, 0.4941, 0.7255
CMYK	0.00, 0.41, 0.68, 0.15
HSL	24°, 66%, 56%
HSV	24°, 68%, 85%
XYZ	37.5710, 30.8944, 9.7774
YIQ	148.5860, 71.3870, 0.3070

Conversions

Conversions Part 2

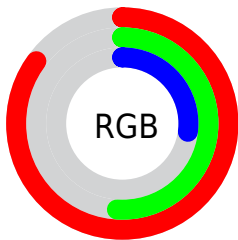
Format	Color
R _{YB}	217, 169, 70
Decimal	14254406
CIE Lab	62.42, 28.94, 45.64
CIE LCh	62, 54.045, 57.623
Yxy	30.8944, 0.4802, 0.3949
Android (android.graphics.Color)	4292444486 (0xFFD98146)
YUV	148.5860, -38.7429, 59.9991
Hunter-Lab	55.5827, 23.3868, 28.4784

Details

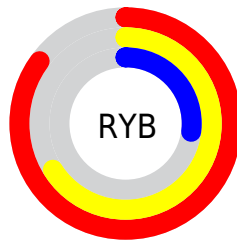
The XYZ color **37.5710, 30.8944, 9.7774** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **27.2763, 30.7639, 70.1456**, and the grayscale version is **28.5304, 30.0162, 32.6877**.

A 20% lighter version of the original color is **61.5637, 56.4830, 25.4269**, and **16.8360, 12.8142, 2.2955** is the 20% darker color. If you saturate the color by 10%, you get **35.4021, 27.4621, 6.2639**, and if you desaturate by 10%, it is **40.2062, 34.8639, 14.6673**.

Distribution



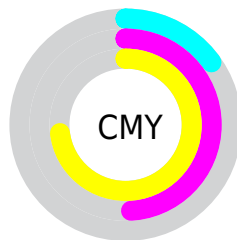
- Red (85%)
- Green (51%)
- Blue (27%)



- Red (85%)
- Yellow (66%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (68%)
- Black (15%)





- Cyan (15%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5710, 30.8944, 9.7774 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 37.5710, 30.8944, 9.7774 by changing the saturation by 10% instead.


 37.5710, 30.8944,
9.7774


 37.5710, 30.8944,
9.7774


327.0888,
306.0515, 199.5026


 25.8256, 20.5184,
5.1479


 70.7583, 61.0738,
25.9772

 16.8252, 12.7725,
2.2741


 92.9308, 81.6460,
38.3846

 10.2045, 7.2721,
0.7166


 119.3098,
106.3858, 54.2218

 5.5980, 3.6328,
0.0000

 150.2606,
135.6775, 73.9072

 2.6406, 1.4704,
0.0000

 186.1486,
169.9055, 97.8595

 0.9667, 0.2677,
0.0000

227.3390,

 0.0000, 0.0000,

209.4542, 126.4971

0.0000

274.1973,
254.7081, 160.2387

■ 37.5710, 30.8944,
9.7774

■ 37.5710, 30.8944,
9.7774

■ 35.4021, 27.4621,
6.2639

■ 40.2062, 34.8639,
14.6673

■ 33.6613, 24.5348,
3.9745

■ 43.3373, 39.3908,
21.0607

■ 32.3012, 22.0810,
2.7004

■ 46.9935, 44.4999,
29.0718

■ 32.0316, 21.5847,
2.4780

■ 51.2007, 50.2126,
38.8031

■ 55.9831, 56.5495,
50.3486

■ 61.3633, 63.5298,
63.7955

■ 67.3625, 71.1719,
79.2253

■ 74.0010, 79.4936,
96.7146

■ 79.5944, 87.8303,
107.3656

Harmonies

Analogous

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



43.6955, 30.8944, 18.1877



37.5710, 30.8944, 9.7774



29.9523, 30.8944, 7.2883

Triad

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



37.5710, 30.8944, 9.7774



17.4195, 30.8944, 31.9931



36.3909, 30.8944, 83.5331

Complementary

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



37.5710, 30.8944, 9.7774



27.2763, 30.7639, 70.1456

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.



28.7838, 30.8944, 92.1834



37.5710, 30.8944, 9.7774



18.5688, 30.8944, 56.0225

Square

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



37.5710, 30.8944, 9.7774



19.0026, 30.8944, 16.3313



22.4490, 30.8944, 80.5021



42.9385, 30.8944, 60.1938

Rectangle

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



37.5710, 30.8944, 9.7774



25.3030, 30.8944, 7.9794



22.4490, 30.8944, 80.5021



33.8383, 30.8944, 88.5918

Sweetspot

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



37.5717, 30.8960, 9.7780



78.9216, 79.1846, 68.2513



36.9942, 21.6077, 34.6592



16.4682, 16.3880, 13.5801



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.



37.5717, 30.8960, 9.7780



49.9474, 37.8062, 7.5101



50.9115, 57.5756, 14.2246



13.4829, 13.9051, 13.6989



19.4875, 13.2606, 1.5324



1.3455, 1.0250, 0.1269

Inverse Universe

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



27.2763, 30.7639, 70.1456



34.0602, 37.3993, 100.0314



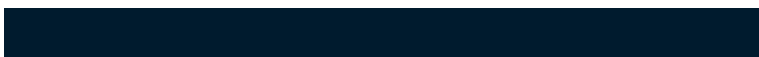
18.2753, 12.7620, 67.1453



12.9836, 13.9070, 16.6521



12.5116, 12.8926, 41.5675



0.8941, 1.0023, 2.7208

Previews

White Background



This preview shows how the XYZ color 37.5710, 30.8944, 9.7774 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 37.5710, 30.8944, 9.7774 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 37.5710, 30.8944, 9.7774

Background



This preview shows how black text looks on a background with the XYZ color 37.5710, 30.8944, 9.7774.



This preview shows how white text looks on a background with the XYZ color 37.5710, 30.8944,

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

37.5710, 30.8944, 9.7774

Protanopia

28.5041, 31.2078, 11.5426

Deuteranopia

31.6957, 31.0312, 9.4733



Tritanopia

40.8751, 30.9299, 25.2884

Trichromacy



Original Color

37.5710, 30.8944, 9.7774

Protanomaly

31.2169, 30.7552, 10.7696

Deuteranomaly

33.7989, 31.0126, 9.5148

Tritanomaly

39.6091, 30.9870, 18.3615

Monochromacy



Original Color

37.5710, 30.8944, 9.7774

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.5187, 29.7007, 21.8936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5710, 30.8944, 9.7774 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(217, 129, 70)` looks like.

```
.text, #text, p{  
    color:rgb(217, 129, 70)  
}
```

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(217, 129, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 129, 70) }
```

Border

The CSS property to change the border of an element to XYZ 37.5710, 30.8944, 9.7774 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(217, 129, 70) }
```


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

```
.border{ border-color:rgb(217, 129, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 129, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 129, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 129, 70);  
box-shadow:4px 4px 4px 4px rgb(217, 129,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5710, 30.8944, 9.7774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 129, 70) }
```

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

```
.background{ background-color: rgb(217,  
129, 70) }
```

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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