

Converting Colors

XYZ(37.8997, 36.5740, 21.5849)

Have a look what the booklet for
XYZ(37.8997, 36.5740, 21.5849)
contains.

XYZ(37.8997, 36.5740, 21.5849)	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(37.8997, 36.5740,
21.5849)**

Conversions

Conversions Part 1

Format	Color
Hex	C59B74
RGB	197, 155, 116
RGB Percent	77%, 61%, 45%
CMY	0.2275, 0.3921, 0.5451
CMYK	0.00, 0.21, 0.41, 0.23
HSL	29°, 41%, 61%
HSV	29°, 41%, 77%
XYZ	37.8997, 36.5740, 21.5849
YIQ	163.1120, 37.5510, -3.2250

Conversions

Conversions Part 2

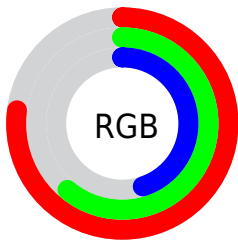
Format	Color
RYB	197, 191, 116
Decimal	12950388
CIELab	66.96, 10.45, 26.41
CIElCh	67, 28.403, 68.416
Yxy	36.5740, 0.3945, 0.3807
Android (android.graphics.Color)	4291140468 (0xFFC59B74)
YUV	163.1120, -23.2262, 29.7198
Hunter-Lab	60.4764, 6.0296, 21.1721

Details

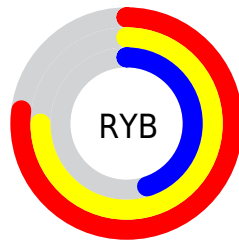
The XYZ color **37.8997, 36.5740, 21.5849** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.5068, 32.1966, 57.4827**, and the grayscale version is **34.9603, 36.7810, 40.0545**.

A 20% lighter version of the original color is **71.1083, 69.6881, 46.7491**, and **16.9479, 15.9686, 7.4992** is the 20% darker color. If you saturate the color by 10%, you get **35.2447, 32.9076, 15.6334**, and if you desaturate by 10%, it is **40.9433, 40.6287, 28.8656**.

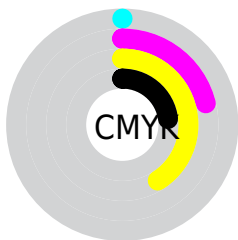
Distribution



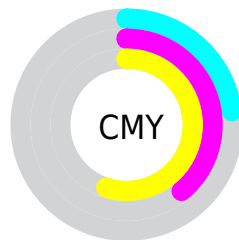
- Red (77%)
- Green (61%)
- Blue (45%)



- Red (77%)
- Yellow (75%)
- Blue (45%)



- Cyan (0%)
- Magenta (21%)
- Yellow (41%)
- Black (23%)



- Cyan (23%)
- Magenta (39%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8997, 36.5740, 21.5849 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 37.8997, 36.5740, 21.5849 by changing the saturation by 10% instead.

■ 37.8997, 36.5740,
21.5849

■ 37.8997, 36.5740,
21.5849

328.4778,
331.4625, 273.2532

■ 26.0817, 24.8778,
13.3568

■ 71.2593, 69.9171,
46.9523

■ 17.0178, 15.9861,
7.5411

■ 93.5316, 92.3328,
64.9287

■ 10.3426, 9.5143,
3.7192

■ 120.0193,
119.0905, 86.9917

■ 5.6907, 5.0781,
1.4726

151.0879,
150.5746, 113.5597

■ 2.6968, 2.2932,
0.1974

187.1027,
187.1694, 145.0513

■ 0.9955, 0.7701,
0.0000

228.4291,

■ 0.0000, 0.0000,

229.2594, 181.8851

0.0000

275.4323,
277.2290, 224.4795

■ 37.8997, 36.5740,
21.5849

■ 37.8997, 36.5740,
21.5849

■ 35.2447, 32.9076,
15.6334

■ 40.9433, 40.6287,
28.8656

■ 32.9566, 29.6109,
10.9261

■ 44.3904, 45.0790,
37.5488

■ 31.0154, 26.6715,
7.3714


■ 48.2582, 49.9384,
47.7052

■ 29.3973, 24.0738,
4.8642


■ 52.5622, 55.2182,
59.3999


■ 28.0750, 21.8003,
3.2793

■ 57.3167, 60.9291,
72.6941

 27.1058, 20.0301,
2.4376

 62.5357, 67.0815,
87.6456

 68.2323, 73.6853,
104.3095

 71.2776, 79.4936,
106.1948

 74.3148, 85.5680,
107.2072

Harmonies

Analogous

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



41.6654, 36.5740, 26.8253



37.8997, 36.5740, 21.5849



33.5640, 36.5740, 20.6623

Triad

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



37.8997, 36.5740, 21.5849



27.1949, 36.5740, 43.3973



40.1681, 36.5740, 61.4536

Complementary

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



37.8997, 36.5740, 21.5849



29.5068, 32.1966, 57.4827

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.



35.9891, 36.5740, 68.2041



37.8997, 36.5740, 21.5849



28.6675, 36.5740, 56.4585

Square

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



37.8997, 36.5740, 21.5849



27.6144, 36.5740, 31.7176



31.8034, 36.5740, 66.2084



43.0485, 36.5740, 49.2032

Rectangle

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



37.8997, 36.5740, 21.5849



30.9675, 36.5740, 22.3891



31.8034, 36.5740, 66.2084



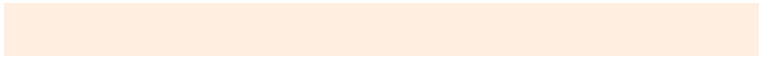
38.8555, 36.5740, 64.5454

Sweetspot

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



37.9006, 36.5757, 21.5856



85.6549, 88.4757, 83.3688



35.5469, 26.8716, 36.2054



18.1299, 18.6835, 17.3029



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.



37.9006, 36.5757, 21.5856



63.7334, 59.7946, 29.3191



45.5370, 51.8485, 24.1311



11.0482, 11.4656, 11.1935



17.9115, 13.3402, 1.6309



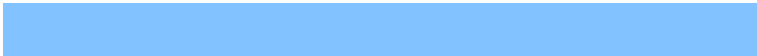
0.9205, 0.7765, 0.1014

Inverse Universe

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



29.5068, 32.1966, 57.4827



46.7410, 50.9246, 101.9737



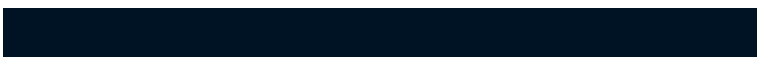
23.8420, 20.8670, 55.5944



10.5039, 11.1819, 13.5222



9.8469, 9.0877, 35.9795



0.5385, 0.5749, 1.7277

Previews

White Background



This preview shows how the XYZ color 37.8997, 36.5740, 21.5849 looks on a white background.

Color Contrast Check

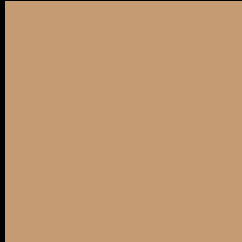
Large Text (above 18pt) WCAG AA × Fail

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 37.8997, 36.5740, 21.5849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

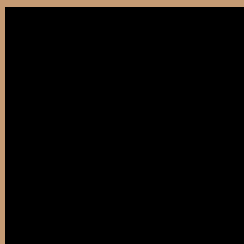
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8997, 36.5740, 21.5849

Background



This preview shows how black text looks on a background with the XYZ color 37.8997, 36.5740, 21.5849.



This preview shows how white text looks on a background with the XYZ color 37.8997, 36.5740,

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

37.8997, 36.5740, 21.5849

Protanopia

34.1062, 36.6403, 22.7275

Deuteranopia

37.2890, 36.5072, 21.6043



Tritanopia

41.2679, 36.4856, 38.5856

Trichromacy



Original Color

37.8997, 36.5740, 21.5849

Protanomaly

35.3693, 36.5169, 22.3238

Deuteranomaly

37.5465, 36.6400, 21.6163

Tritanomaly

39.9969, 36.4569, 31.7169

Monochromacy



Original Color

37.8997, 36.5740, 21.5849

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.4383, 36.3309, 32.3389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8997, 36.5740, 21.5849 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(197, 155, 116)` looks like.

```
.text, #text, p{  
    color:rgb(197, 155, 116)  
}
```

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(197, 155, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 155, 116) }
```

Border

The CSS property to change the border of an element to XYZ 37.8997, 36.5740, 21.5849 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(197, 155, 116) }
```


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

```
.border{ border-color:rgb(197, 155, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 155, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 155, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 155, 116);  
box-shadow:4px 4px 4px 4px rgb(197, 155,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8997, 36.5740, 21.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 155, 116) }
```

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

```
.background{ background-color: rgb(197,  
155, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor