

Converting Colors

XYZ(38.0246, 37.6774, 21.3956)

Have a look what the booklet for
XYZ(38.0246, 37.6774, 21.3956)
contains.

XYZ(37.9983, 37.6362, 21.4814)	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(37.9983, 37.6362,
21.4814)**

Conversions

Conversions Part 1

Format	Color
Hex	C39F73
RGB	195, 159, 115
RGB Percent	76%, 62%, 45%
CMY	0.2353, 0.3765, 0.5490
CMYK	0.00, 0.18, 0.41, 0.24
HSL	33°, 40%, 61%
HSV	33°, 41%, 76%
XYZ	37.9983, 37.6362, 21.4814
YIQ	164.7480, 35.5800, -6.0520

Conversions

Conversions Part 2

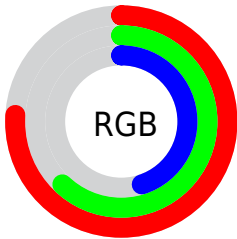
Format	Color
RYB	180, 195, 115
Decimal	12820339
CIELab	67.75, 7.34, 27.97
CIELCh	68, 28.916, 75.298
Yxy	37.6362, 0.3913, 0.3875
Android (android.graphics.Color)	4291010419 (0xFFC39F73)
YUV	164.7480, -24.5258, 26.5310
Hunter-Lab	61.3483, 3.2008, 22.1832

Details

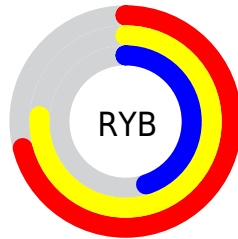
The XYZ color **37.9983, 37.6362, 21.4814** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.9867, 29.7170, 55.8905**, and the grayscale version is **35.7461, 37.6076, 40.9547**.

A 20% lighter version of the original color is **71.5296, 71.7658, 46.6414**, and **17.1611, 16.6939, 7.4720** is the 20% darker color. If you saturate the color by 10%, you get **35.5374, 34.3241, 15.6985**, and if you desaturate by 10%, it is **40.8056, 41.2611, 28.5515**.

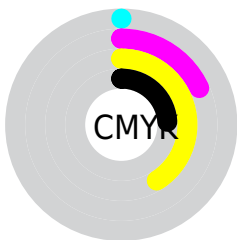
Distribution



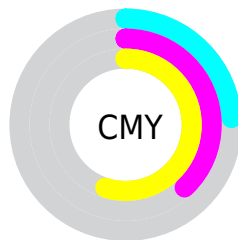
- Red (76%)
- Green (62%)
- Blue (45%)



- Red (71%)
- Yellow (76%)
- Blue (45%)



- Cyan (0%)
- Magenta (18%)
- Yellow (41%)
- Black (24%)





- Cyan (24%)
- Magenta (38%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9983, 37.6362, 21.4814 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 37.9983, 37.6362, 21.4814 by changing the saturation by 10% instead.


 37.9983, 37.6362,
21.4814


 37.9983, 37.6362,
21.4814


328.8937,
336.0568, 272.6905


 26.1586, 25.7005,
13.2817


 71.4094, 71.5502,
46.7785

 17.0756, 16.5997,
7.4898


 93.7116, 94.2972,
64.7130

 10.3841, 9.9495,
3.6872


 120.2319,
121.4168, 86.7294

 5.7185, 5.3655,
1.4554

151.3358,
153.2933, 113.2464

 2.7137, 2.4633,
0.1843

187.3885,
190.3112, 144.6825

 1.0042, 0.8582,
0.0000

228.7555,

 0.0000, 0.0000,

232.8548, 181.4561

0.0000

275.8021,
281.3085, 223.9860

■ 37.9983, 37.6362,
21.4814

■ 37.9983, 37.6362,
21.4814

■ 35.5374, 34.3241,
15.6985

■ 40.8056, 41.2611,
28.5515

■ 33.4027, 31.3089,
11.1204

■ 43.9724, 45.2031,
36.9799

■ 31.5760, 28.5811,
7.6585

■ 47.5145, 49.4734,
46.8350

■ 30.0359, 26.1284,
5.2106

■ 51.4456, 54.0807,
58.1800

■ 28.7570, 23.9366,
3.6557

■ 55.7789, 59.0335,
71.0742

■ 27.7906, 22.1720,
2.8149

■ 60.5269, 64.3396,
85.5736

■ 65.7015, 70.0070,
101.7315

■ 68.6292, 74.9692,
105.4611

■ 71.1214, 79.9536,
106.2918

Harmonies

Analogous

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



42.1658, 37.6362, 25.8535



37.9983, 37.6362, 21.4814



33.5516, 37.6362, 21.5246

Triad

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



37.9983, 37.6362, 21.4814



28.1047, 37.6362, 47.8242



42.2365, 37.6362, 60.8504

Complementary

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



37.9983, 37.6362, 21.4814



27.9867, 29.7170, 55.8905

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.



38.0884, 37.6362, 69.6078



37.9983, 37.6362, 21.4814



30.0597, 37.6362, 61.0866

Square

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



37.9983, 37.6362, 21.4814



28.0850, 37.6362, 35.0437



33.6346, 37.6362, 69.7023



44.7476, 37.6362, 47.5502

Rectangle

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



37.9983, 37.6362, 21.4814



31.0313, 37.6362, 23.9918



33.6346, 37.6362, 69.7023



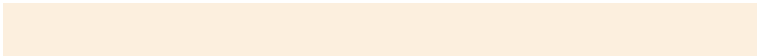
40.9727, 37.6362, 64.5348

Sweetspot

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



37.9992, 37.6380, 21.4822



84.3275, 87.6892, 81.6981



34.2225, 26.0982, 32.5122



18.2752, 18.9742, 17.3513



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.



37.9992, 37.6380, 21.4822



64.1729, 62.1960, 29.3044



44.0955, 51.3443, 23.8064



10.5221, 10.9757, 10.6258



18.1474, 14.5806, 1.8579



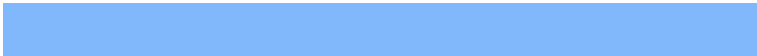
0.8521, 0.7661, 0.1030

Inverse Universe

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



27.9867, 29.7170, 55.8905



43.8826, 46.1549, 99.0657



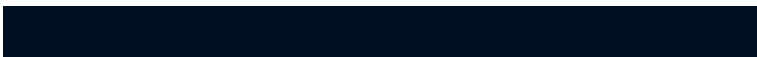
23.5891, 20.1239, 54.2706



9.8931, 10.4776, 12.7858



8.7379, 7.2323, 34.4920



0.4463, 0.4499, 1.5132

Previews

White Background



This preview shows how the XYZ color 37.9983, 37.6362, 21.4814 looks on a white background.

Color Contrast Check

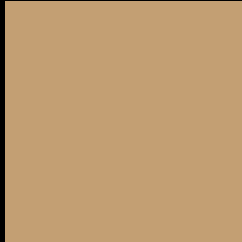
Large Text (above 18pt) WCAG AA × Fail

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 37.9983, 37.6362, 21.4814 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 37.9983, 37.6362, 21.4814

Background



This preview shows how black text looks on a background with the XYZ color 37.9983, 37.6362, 21.4814.



This preview shows how white text looks on a background with the XYZ color 37.9983, 37.6362,

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

37.9983, 37.6362, 21.4814

Protanopia

35.0852, 37.6833, 22.5639

Deuteranopia

38.3473, 37.5618, 21.4487



Tritanopia

41.9115, 37.7422, 40.1979

Trichromacy



Original Color

37.9983, 37.6362, 21.4814

Protanomaly

36.0752, 37.6691, 22.1991

Deuteranomaly

38.0863, 37.4273, 21.4365

Tritanomaly

40.1984, 37.5238, 32.3183

Monochromacy



Original Color

37.9983, 37.6362, 21.4814

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.2681, 37.5311, 32.9364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9983, 37.6362, 21.4814 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(195, 159, 115)` looks like.

```
.text, #text, p{  
    color:rgb(195, 159, 115)  
}
```

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(195, 159, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 159, 115) }
```

Border

The CSS property to change the border of an element to XYZ 37.9983, 37.6362, 21.4814 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(195, 159, 115) }
```


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

```
.border{ border-color:rgb(195, 159, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 159, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 159, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 159, 115);  
box-shadow:4px 4px 4px 4px rgb(195, 159,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9983, 37.6362, 21.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 159, 115) }
```

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

```
.background{ background-color: rgb(195,  
159, 115) }
```

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