

Converting Colors

XYZ(37.8543, 33.5406, 22.1518)

Have a look what the booklet for
XYZ(37.8543, 33.5406, 22.1518)
contains.

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Color

**XYZ(37.9650, 33.5394,
22.2421)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8E78
RGB	204, 142, 120
RGB Percent	80%, 56%, 47%
CMY	0.2000, 0.4431, 0.5294
CMYK	0.00, 0.30, 0.41, 0.20
HSL	16°, 45%, 64%
HSV	16°, 41%, 80%
XYZ	37.9650, 33.5394, 22.2421
YIQ	158.0300, 44.0140, 6.3020

Conversions

Conversions Part 2

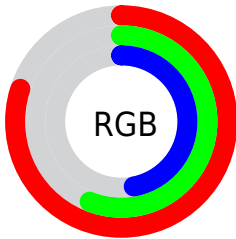
Format	Color
R_{YB}	204, 150, 120
Decimal	13405816
CIE _{Lab}	64.60, 20.84, 21.17
CIE _{LCh}	65, 29.703, 45.455
Yxy	33.5394, 0.4050, 0.3578
Android (android.graphics.Color)	4291595896 (0xFFCC8E78)
YUV	158.0300, -18.7488, 40.3157
Hunter-Lab	57.9132, 15.6675, 17.7684

Details

The XYZ color **37.9650, 33.5394, 22.2421** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.3721, 41.8070, 63.3320**, and the grayscale version is **32.5821, 34.2789, 37.3297**.

A 20% lighter version of the original color is **68.4263, 63.7184, 47.7222**, and **17.0912, 14.2330, 7.8077** is the 20% darker color. If you saturate the color by 10%, you get **34.7656, 28.9154, 15.7045**, and if you desaturate by 10%, it is **41.7325, 38.8774, 30.2709**.

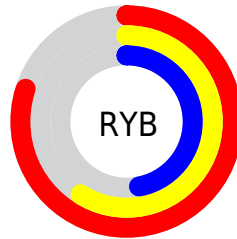
Distribution



Red (80%)

Green (56%)

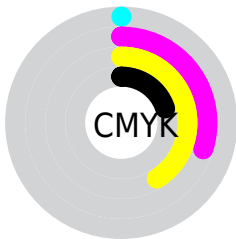
Blue (47%)



Red (80%)

Yellow (59%)

Blue (47%)

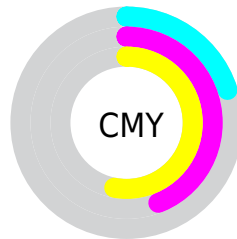


Cyan (0%)

Magenta (30%)

Yellow (41%)

Black (20%)



Cyan (20%)


Magenta (44%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9650, 33.5394, 22.2421 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 37.9650, 33.5394, 22.2421 by changing the saturation by 10% instead.


 37.9650, 33.5394,
22.2421


 37.9650, 33.5394,
22.2421


328.7533,
318.0733, 276.8026


 26.1326, 22.5400,
13.8349


 71.3587, 65.2168,
48.0531

 17.0561, 14.2542,
7.8685


 93.6508, 86.6635,
66.2940

 10.3700, 8.2977,
3.9243


 120.1601,
112.3614, 88.6499

 5.7091, 4.2860,
1.5839

151.2521,
142.6950, 115.5392

 2.7080, 1.8348,
0.2793

187.2920,
178.0486, 147.3807

 1.0013, 0.5087,
0.0000

228.6453,

 0.0000, 0.0000,

218.8066, 184.5927

0.0000

275.6772,
265.3534, 227.5938

■ 37.9650, 33.5394,
22.2421

■ 37.9650, 33.5394,
22.2421

■ 34.7656, 28.9154,
15.7045

■ 41.7325, 38.8774,
30.2709

■ 32.1028, 24.9696,
10.5632

■ 46.0922, 44.9533,
39.8739

■ 29.9457, 21.6704,
6.7152


■ 51.0702, 51.7962,
51.1304


■ 28.2590, 18.9815,
4.0422


■ 56.6898, 59.4317,
64.1135

■ 27.0019, 16.8627,
2.4040

■ 62.9734, 67.8845,
78.8921

 26.1950, 15.4238,
1.5965

 69.9421, 77.1782,
95.5313

 76.3344, 86.8225,
107.3429

 78.7118, 91.5774,
108.1354

Harmonies

Analogous

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



40.4268, 33.5394, 30.6270



37.9650, 33.5394, 22.2421



33.9762, 33.5394, 18.2176

Triad

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



37.9650, 33.5394, 22.2421



24.6003, 33.5394, 30.9475



34.1072, 33.5394, 64.0598

Complementary

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



37.9650, 33.5394, 22.2421



35.3721, 41.8070, 63.3320

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.



29.8684, 33.5394, 64.1999



37.9650, 33.5394, 22.2421



24.6286, 33.5394, 43.1214

Square

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



37.9650, 33.5394, 22.2421



26.3984, 33.5394, 22.4315



26.4794, 33.5394, 55.8806



38.0682, 33.5394, 55.5322

Rectangle

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



37.9650, 33.5394, 22.2421



31.1072, 33.5394, 17.8152



26.4794, 33.5394, 55.8806



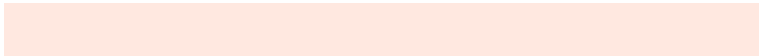
32.6618, 33.5394, 65.1432

Sweetspot

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



37.9659, 33.5410, 22.2428



83.7227, 84.6112, 82.7247



40.1657, 29.6895, 48.4136



17.6766, 17.7770, 17.1518



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.



37.9659, 33.5410, 22.2428



58.3310, 48.9899, 27.5183



45.2256, 48.0606, 24.6627



11.4473, 11.6836, 11.7313



16.5527, 9.8384, 1.0266



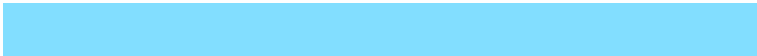
0.9173, 0.6344, 0.0741

Inverse Universe

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



35.3721, 41.8070, 63.3320



53.4563, 64.3551, 104.2121



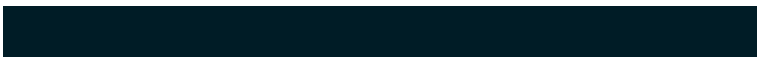
28.1700, 27.4028, 60.9313



11.2849, 12.2103, 14.3324



13.8602, 16.7444, 38.4578



0.7746, 0.9830, 2.0039

Previews

White Background



This preview shows how the XYZ color 37.9650, 33.5394, 22.2421 looks on a white background.

Color Contrast Check

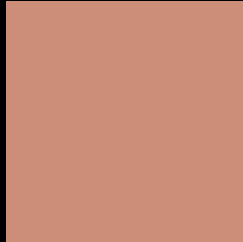
Large Text (above 18pt) WCAG AA × Fail

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 37.9650, 33.5394, 22.2421 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 37.9650, 33.5394, 22.2421

Background



This preview shows how black text looks on a background with the XYZ color 37.9650, 33.5394, 22.2421.



This preview shows how white text looks on a background with the XYZ color 37.9650, 33.5394,

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

37.9650, 33.5394, 22.2421

Protanopia

31.8241, 33.8617, 24.9373

Deuteranopia

34.3442, 33.7555, 21.8449



Tritanopia

40.1659, 33.5805, 32.3817

Trichromacy



Original Color

37.9650, 33.5394, 22.2421

Protanomaly

33.6887, 33.6150, 23.7815

Deuteranomaly

35.6579, 33.7182, 22.0816

Tritanomaly

39.2737, 33.4220, 28.4259

Monochromacy



Original Color

37.9650, 33.5394, 22.2421

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.9415, 33.5840, 31.0790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9650, 33.5394, 22.2421 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, 142, 120)` looks like.

```
.text, #text, p{  
    color:rgb(204, 142, 120)  
}
```

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, 142, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 142, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.9650, 33.5394, 22.2421 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, 142, 120) }
```


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

```
.border{ border-color:rgb(204, 142, 120) }
```

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

Here you see how a box with a 4 pixel rgb(204, 142, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 142, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 142, 120);  
box-shadow:4px 4px 4px 4px rgb(204, 142,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9650, 33.5394, 22.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 142, 120) }
```

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

```
.background{ background-color: rgb(204,  
142, 120) }
```

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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