

Converting Colors

XYZ(42.3646, 34.9392, 22.0420)

Have a look what the booklet for
XYZ(42.3646, 34.9392, 22.0420)
contains.

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Color

**XYZ(42.2370, 34.8810,
21.9593)**

Conversions

Conversions Part 1

Format	Color
Hex	DD8A77
RGB	221, 138, 119
RGB Percent	87%, 54%, 47%
CMY	0.1333, 0.4588, 0.5333
CMYK	0.00, 0.38, 0.46, 0.13
HSL	11°, 60%, 67%
HSV	11°, 46%, 87%
XYZ	42.2370, 34.8810, 21.9593
YIQ	160.6510, 55.5670, 11.6870

Conversions

Conversions Part 2

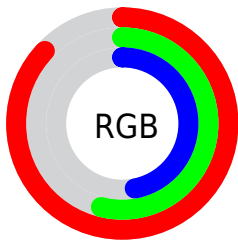
Format	Color
R _Y B	221, 142, 119
Decimal	14518903
CIE Lab	65.66, 29.59, 23.50
CIE LCh	66, 37.784, 38.457
Yxy	34.8810, 0.4263, 0.3521
Android (android.graphics.Color)	4292708983 (0xFFDD8A77)
YUV	160.6510, -20.5339, 52.9261
Hunter-Lab	59.0601, 24.2995, 19.2973

Details

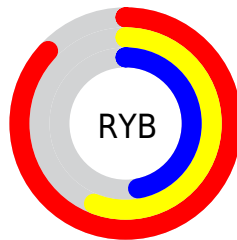
The XYZ color **42.2370, 34.8810, 21.9593** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **41.7783, 51.3810, 76.1219**, and the grayscale version is **33.7893, 35.5490, 38.7129**.

A 20% lighter version of the original color is **67.4403, 61.8995, 46.9214**, and **19.6179, 15.0451, 7.6644** is the 20% darker color. If you saturate the color by 10%, you get **38.6911, 29.6720, 14.9731**, and if you desaturate by 10%, it is **46.5204, 41.0712, 30.7144**.

Distribution



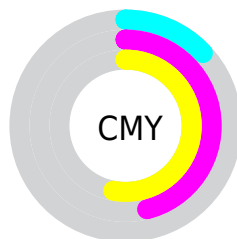
- Red (87%)
- Green (54%)
- Blue (47%)



- Red (87%)
- Yellow (56%)
- Blue (47%)



- Cyan (0%)
- Magenta (38%)
- Yellow (46%)
- Black (13%)





- Cyan (13%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2370, 34.8810, 21.9593 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 42.2370, 34.8810, 21.9593 by changing the saturation by 10% instead.


 42.2370, 34.8810,
21.9593

 42.2370, 34.8810,
21.9593


346.4394,
324.0428, 275.2802

 29.4788, 23.5712,
13.6290


 77.8211, 67.3014,
47.5800

 19.5894, 15.0159,
7.7273


 101.3778, 89.1808,
65.7075

 12.2035, 8.8305,
3.8357


 129.2646,
115.3521, 87.9378

 6.9556, 4.6308,
1.5356

161.8470,
146.1999, 114.6895

 3.4804, 2.0323,
0.2443

199.4903,
182.1085, 146.3810

 1.4126, 0.6261,
0.0000

242.5600,

 0.2652, 0.0000,

223.4622, 183.4309

0.0000

291.4212,
270.6455, 226.2578

■ 0.0000, 0.0000,
0.0000

■ 42.2370, 34.8810,
21.9593

■ 42.2370, 34.8810,
21.9593

■ 38.6911, 29.6720,
14.9731

■ 46.5204, 41.0712,
30.7144

■ 35.8374, 25.3883,
9.6326

■ 51.5779, 48.2843,
41.3462

■ 33.6294, 21.9763,
5.8016


■ 57.4467, 56.5661,
53.9563


■ 32.0135, 19.3744,
3.3213

■ 64.1607, 65.9577,
68.6383

■ 30.9261, 17.5124,
1.9944

■ 71.7521, 76.4983,
85.4799

 30.6178, 16.9703,
1.6619

 80.2512, 88.2252,
104.5637

 83.6287, 94.1121,
108.3655

Harmonies

Analogous

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



44.8756, 34.8810, 33.6574



42.2370, 34.8810, 21.9593



37.2306, 34.8810, 16.0461

Triad

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



42.2370, 34.8810, 21.9593



24.1806, 34.8810, 27.8212



34.7486, 34.8810, 76.9657

Complementary

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



42.2370, 34.8810, 21.9593



41.7783, 51.3810, 76.1219

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.



29.3852, 34.8810, 74.1133



42.2370, 34.8810, 21.9593



23.6739, 34.8810, 42.6566

Square

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



42.2370, 34.8810, 21.9593



26.9463, 34.8810, 18.7138



25.4754, 34.8810, 60.3484



40.2471, 34.8810, 67.3100

Rectangle

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



42.2370, 34.8810, 21.9593



33.4417, 34.8810, 14.8791



25.4754, 34.8810, 60.3484



32.8667, 34.8810, 77.4815

Sweetspot

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



42.2379, 34.8827, 21.9600



81.2490, 80.7568, 78.5304



47.1119, 32.8445, 59.9200



16.9807, 16.7099, 15.9184



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.



42.2379, 34.8827, 21.9600



53.8277, 41.5071, 21.3190



51.2817, 52.9703, 24.9746



13.2514, 13.4421, 13.6217



17.8470, 9.9797, 0.9856



1.2150, 0.7642, 0.0835

Inverse Universe

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



41.7783, 51.3810, 76.1219



53.0701, 66.8133, 104.7069



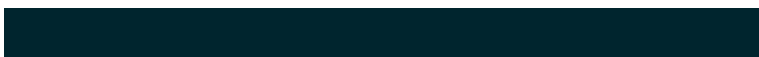
31.7740, 31.3726, 72.7872



13.2279, 14.3955, 16.7336



17.1199, 22.1092, 43.1036



1.1636, 1.5413, 2.8106

Previews

White Background



This preview shows how the XYZ color 42.2370, 34.8810, 21.9593 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 42.2370, 34.8810, 21.9593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

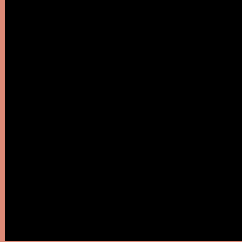
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2370, 34.8810, 21.9593

Background



This preview shows how black text looks on a background with the XYZ color 42.2370, 34.8810, 21.9593.



This preview shows how white text looks on a background with the XYZ color 42.2370, 34.8810,

21.9593.

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

42.2370, 34.8810, 21.9593

Protanopia

33.1108, 35.2726, 25.8321

Deuteranopia

35.5299, 34.8622, 21.3795



Tritanopia

43.9906, 34.7518, 30.7748

Trichromacy



Original Color

42.2370, 34.8810, 21.9593

Protanomaly

35.9162, 34.7560, 24.2176

Deuteranomaly

37.8882, 34.8817, 21.5655

Tritanomaly

43.1613, 34.6068, 27.3266

Monochromacy



Original Color

42.2370, 34.8810, 21.9593

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.1080, 34.9251, 32.0322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2370, 34.8810, 21.9593 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(221, 138, 119)` looks like.

```
.text, #text, p{  
    color:rgb(221, 138, 119)  
}
```

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(221, 138, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 138, 119) }
```

Border

The CSS property to change the border of an element to XYZ 42.2370, 34.8810, 21.9593 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(221, 138, 119) }
```


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

```
.border{ border-color:rgb(221, 138, 119) }
```

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

Here you see how a box with a 4 pixel rgb(221, 138, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 138, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 138, 119);  
box-shadow:4px 4px 4px 4px rgb(221, 138,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2370, 34.8810, 21.9593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 138, 119) }
```

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

```
.background{ background-color: rgb(221,  
138, 119) }
```

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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