

Converting Colors

XYZ(49.3001, 42.2050, 22.0710)

Have a look what the booklet for
XYZ(49.3001, 42.2050, 22.0710)
contains.

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Color

**XYZ(49.3001, 42.2050,
22.0710)**

Conversions

Conversions Part 1

Format	Color
Hex	EC9A74
RGB	236, 154, 116
RGB Percent	93%, 60%, 45%
CMY	0.0745, 0.3961, 0.5451
CMYK	0.00, 0.35, 0.51, 0.07
HSL	19°, 76%, 69%
HSV	19°, 51%, 93%
XYZ	49.3001, 42.2050, 22.0710
YIQ	174.1860, 61.0700, 5.5660

Conversions

Conversions Part 2

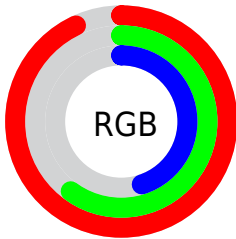
Format	Color
R _Y B	236, 172, 116
Decimal	15506036
CIE Lab	71.01, 26.68, 32.54
CIE LCh	71, 42.078, 50.644
Yxy	42.2050, 0.4341, 0.3716
Android (android.graphics.Color)	4293696116 (0xFFEC9A74)
YUV	174.1860, -28.6857, 54.2109
Hunter-Lab	64.9654, 21.7684, 25.3329

Details

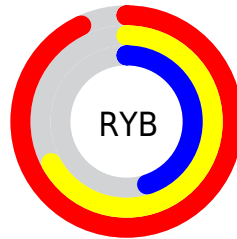
The XYZ color **49.3001, 42.2050, 22.0710** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.5359, 50.1552, 86.7958**, and the grayscale version is **40.4496, 42.5561, 46.3436**.

A 20% lighter version of the original color is **71.1083, 69.6881, 46.7491**, and **23.8960, 19.2551, 7.7673** is the 20% darker color. If you saturate the color by 10%, you get **45.6128, 36.7553, 14.9079**, and if you desaturate by 10%, it is **53.6958, 48.5135, 31.1911**.

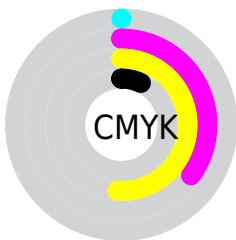
Distribution



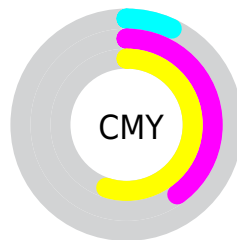
- Red (93%)
- Green (60%)
- Blue (45%)



- Red (93%)
- Yellow (67%)
- Blue (45%)



- Cyan (0%)
- Magenta (35%)
- Yellow (51%)
- Black (7%)




- Cyan (7%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3001, 42.2050, 22.0710 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 49.3001, 42.2050, 22.0710 by changing the saturation by 10% instead.


 49.3001, 42.2050,
22.0710

 49.3001, 42.2050,
22.0710


374.4199,
355.3320, 275.8824

 35.0731, 29.2618,
13.7103


 88.3350, 78.5098,
47.7670

 23.8860, 19.2790,
7.7830


 113.8737,
102.6402, 65.9394

 15.3733, 11.8720,
3.8706

 143.9137,
131.2685, 88.2193

 9.1698, 6.6566,
1.5546

178.8202,
164.7791, 115.0255

 4.9101, 3.2483,
0.2581

218.9588,
203.5563, 146.7763

 2.2288, 1.2627,
0.0000

264.6947,

 0.7579, 0.1120,

247.9847, 183.8904

0.0000

316.3933,
298.4484, 226.7862

■ 0.0000, 0.0000,
0.0000

■ 49.3001, 42.2050,
22.0710

■ 49.3001, 42.2050,
22.0710

■ 45.6128, 36.7553,
14.9079

■ 53.6958, 48.5135,
31.1911

■ 42.5895, 32.1190,
9.5529

■ 58.8342, 55.7108,
42.3974

■ 40.1855, 28.2557,
5.8389

■ 64.7510, 63.8333,
55.8107

■ 38.3475, 25.1181,
3.5662

■ 71.4785, 72.9131,
71.5417

■ 37.0907, 22.8303,
2.4518

■ 79.0473, 82.9810,
89.6937

■ 87.0643, 93.8973,
108.1430

■ 88.4020, 96.5728,
108.5889

Harmonies

Analogous

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



54.1222, 42.2050, 33.6252



49.3001, 42.2050, 22.0710



42.3499, 42.2050, 17.3857

Triad

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



49.3001, 42.2050, 22.0710



28.2129, 42.2050, 39.9500



45.0654, 42.2050, 92.4673

Complementary

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



49.3001, 42.2050, 22.0710



42.5359, 50.1552, 86.7958

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.



37.9594, 42.2050, 95.6402



49.3001, 42.2050, 22.0710



28.7600, 42.2050, 60.9790

Square

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



49.3001, 42.2050, 22.0710



30.5543, 42.2050, 25.5361



32.1474, 42.2050, 82.8054



51.4861, 42.2050, 75.0947

Rectangle

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



49.3001, 42.2050, 22.0710



37.6721, 42.2050, 17.4647



32.1474, 42.2050, 82.8054



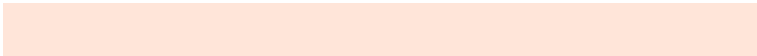
42.6604, 42.2050, 95.3944

Sweetspot

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



49.3011, 42.2071, 22.0718



81.7136, 82.2202, 77.0386



51.0307, 34.4012, 57.3768



17.1279, 17.1095, 15.6434



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.



49.3011, 42.2071, 22.0718



54.2160, 43.5741, 17.4706



61.7911, 67.1870, 26.2351



15.4548, 15.8326, 15.7602



20.5478, 12.7898, 1.3857



1.6971, 1.1715, 0.1367

Inverse Universe

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



42.5359, 50.1552, 86.7958



45.2526, 53.9135, 102.6290



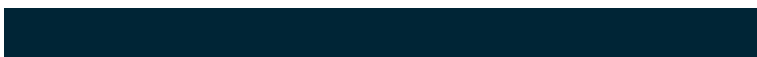
31.4316, 27.9465, 83.0944



15.0920, 16.2705, 19.2673



15.5169, 17.6809, 46.3379



1.3042, 1.5599, 3.6672

Previews

White Background



This preview shows how the XYZ color 49.3001, 42.2050, 22.0710 looks on a white background.

Color Contrast Check

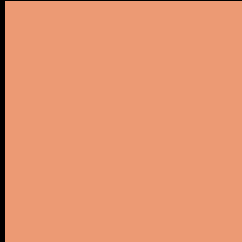
Large Text (above 18pt) WCAG AA × Fail

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 49.3001, 42.2050, 22.0710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

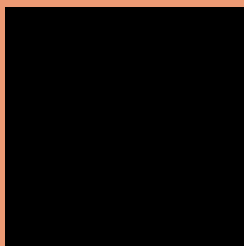
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3001, 42.2050, 22.0710

Background



This preview shows how black text looks on a background with the XYZ color 49.3001, 42.2050, 22.0710.



This preview shows how white text looks on a background with the XYZ color 49.3001, 42.2050,

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

49.3001, 42.2050, 22.0710

Protanopia

39.5132, 42.4187, 25.1738

Deuteranopia

43.1505, 42.4076, 21.8308



Tritanopia

52.4445, 42.0337, 38.1501

Trichromacy



Original Color

49.3001, 42.2050, 22.0710

Protanomaly

42.4467, 41.9970, 23.9582

Deuteranomaly

45.2283, 42.1385, 21.9694

Tritanomaly

51.1242, 41.9730, 31.3937

Monochromacy



Original Color

49.3001, 42.2050, 22.0710

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.5944, 41.8077, 35.9617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3001, 42.2050, 22.0710 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(236, 154, 116)` looks like.

```
.text, #text, p{  
    color:rgb(236, 154, 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(236, 154, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 154, 116) }
```

Border

The CSS property to change the border of an element to XYZ 49.3001, 42.2050, 22.0710 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(236, 154, 116) }
```


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

```
.border{ border-color:rgb(236, 154, 116) }
```

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

Here you see how a box with a 4 pixel rgb(236, 154, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 154, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 154, 116);  
box-shadow:4px 4px 4px 4px rgb(236, 154,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3001, 42.2050, 22.0710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 154, 116) }
```

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

```
.background{ background-color: rgb(236,  
154, 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](#).

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