

Converting Colors

XYZ(49.6070, 42.2989, 22.4033)

Have a look what the booklet for
XYZ(49.6070, 42.2989, 22.4033)
contains.

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Color

**XYZ(49.6915, 42.4001,
22.3946)**

Conversions

Conversions Part 1

Format	Color
Hex	ED9A75
RGB	237, 154, 117
RGB Percent	93%, 60%, 46%
CMY	0.0706, 0.3961, 0.5412
CMYK	0.00, 0.35, 0.51, 0.07
HSL	19°, 77%, 69%
HSV	19°, 51%, 93%
XYZ	49.6915, 42.4001, 22.3946
YIQ	174.5990, 61.3450, 6.0890

Conversions

Conversions Part 2

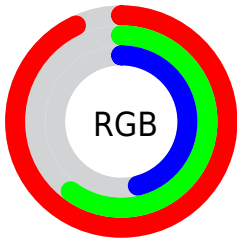
Format	Color
R_{YB}	237, 170, 117
Decimal	15571573
CIE _{Lab}	71.15, 27.17, 32.19
CIE _{LCh}	71, 42.125, 49.842
Yxy	42.4001, 0.4340, 0.3704
Android (android.graphics.Color)	4293761653 (0xFFED9A75)
YUV	174.5990, -28.3963, 54.7257
Hunter-Lab	65.1154, 22.2669, 25.1896

Details

The XYZ color **49.6915, 42.4001, 22.3946** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.2752, 51.2023, 87.7225**, and the grayscale version is **40.6612, 42.7787, 46.5860**.

A 20% lighter version of the original color is **71.2962, 69.7632, 47.7381**, and **24.1549, 19.3851, 7.9374** is the 20% darker color. If you saturate the color by 10%, you get **45.9474, 36.8669, 15.1204**, and if you desaturate by 10%, it is **54.1598, 48.8175, 31.6511**.

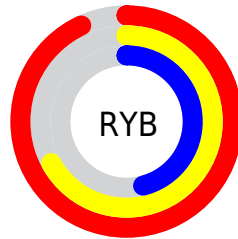
Distribution



Red (93%)

Green (60%)

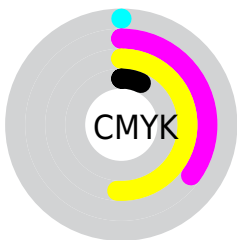
Blue (46%)



Red (93%)

Yellow (67%)

Blue (46%)

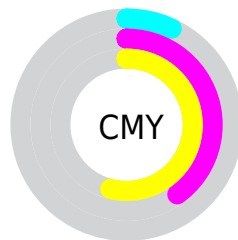


Cyan (0%)

Magenta (35%)

Yellow (51%)

Black (7%)



Cyan (7%)


Magenta (40%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6915, 42.4001, 22.3946 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 49.6915, 42.4001, 22.3946 by changing the saturation by 10% instead.


 49.6915, 42.4001,
22.3946


 49.6915, 42.4001,
22.3946


375.9303,
356.1388, 277.6205


 35.3851, 29.4147,
13.9461


 88.9122, 78.8048,
48.3078

 24.1276, 19.3948,
7.9448


 114.5572,
102.9929, 66.6096

 15.5535, 11.9559,
3.9724

 144.7125,
131.6840, 89.0329

 9.2976, 6.7136,
1.6102

179.7434,
165.2626, 115.9962

 4.9945, 3.2837,
0.2981

220.0153,
204.1129, 147.9181

 2.2787, 1.2816,
0.0000

265.8935,

 0.7838, 0.1269,

248.6195, 185.2171

0.0000

317.7433,
299.1667, 228.3117

■ 0.0000, 0.0000,
0.0000

■ 49.6915, 42.4001,
22.3946

■ 49.6915, 42.4001,
22.3946

■ 45.9474, 36.8669,
15.1204

■ 54.1598, 48.8175,
31.6511

■ 42.8825, 32.1709,
9.6781

■ 59.3877, 56.1506,
43.0203

■ 40.4506, 28.2700,
5.8993

■ 65.4115, 64.4368,
56.6242

■ 38.5977, 25.1153,
3.5827

■ 72.2644, 73.7098,
72.5746

■ 37.3131, 22.7809,
2.4305

■ 79.9776, 84.0013,
90.9760

■ 87.8967, 95.0681,
108.3251

■ 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



54.4462, 42.4001, 34.2011



49.6915, 42.4001, 22.3946



42.7389, 42.4001, 17.5226

Triad

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



49.6915, 42.4001, 22.3946



28.3732, 42.4001, 39.6511



45.0794, 42.4001, 93.1707

Complementary

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



49.6915, 42.4001, 22.3946



43.2752, 51.2023, 87.7225

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.



37.9557, 42.4001, 95.9063



49.6915, 42.4001, 22.3946



28.8446, 42.4001, 60.6403

Square

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



49.6915, 42.4001, 22.3946



30.8006, 42.4001, 25.3796



32.1733, 42.4001, 82.6561



51.5757, 42.4001, 76.0088

Rectangle

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



49.6915, 42.4001, 22.3946



38.0267, 42.4001, 17.5031



32.1733, 42.4001, 82.6561



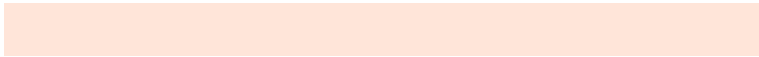
42.6622, 42.4001, 95.9670

Sweetspot

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



49.6925, 42.4022, 22.3954



81.6256, 82.0442, 77.0093



51.8289, 34.9444, 59.2716



17.1069, 17.0675, 15.6364



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.



49.6925, 42.4022, 22.3954



54.0127, 43.1674, 17.4029



61.9301, 66.8772, 26.4746



15.4443, 15.8117, 15.7567



20.4739, 12.6419, 1.3610



1.6903, 1.1579, 0.1344

Inverse Universe

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



43.2752, 51.2023, 87.7225



45.5653, 54.5388, 102.7332



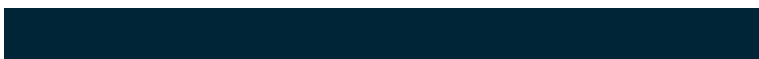
32.1473, 28.9464, 84.0132



15.1030, 16.2925, 19.2710



15.7068, 18.0606, 46.4012



1.3180, 1.5875, 3.6718

Previews

White Background



This preview shows how the XYZ color 49.6915, 42.4001, 22.3946 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 49.6915, 42.4001, 22.3946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

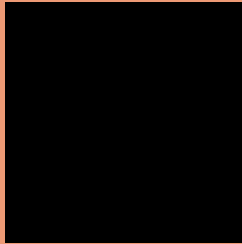
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6915, 42.4001, 22.3946

Background



This preview shows how black text looks on a background with the XYZ color 49.6915, 42.4001, 22.3946.



This preview shows how white text looks on a background with the XYZ color 49.6915, 42.4001,

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

49.6915, 42.4001, 22.3946

Protanopia

39.6410, 42.4698, 25.8469

Deuteranopia

43.4343, 42.5540, 21.8441



Tritanopia

52.7831, 42.2083, 38.1659

Trichromacy



Original Color

49.6915, 42.4001, 22.3946

Protanomaly

42.8475, 42.1893, 24.6239

Deuteranomaly

45.5300, 42.2941, 21.9835

Tritanomaly

51.5370, 42.1770, 31.8102

Monochromacy



Original Color

49.6915, 42.4001, 22.3946

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.9402, 41.9763, 36.4109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6915, 42.4001, 22.3946 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(237, 154, 117)` looks like.

```
.text, #text, p{  
    color:rgb(237, 154, 117)  
}
```

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(237, 154, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 154, 117) }
```

Border

The CSS property to change the border of an element to XYZ 49.6915, 42.4001, 22.3946 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(237, 154, 117) }
```


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

```
.border{ border-color:rgb(237, 154, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 154, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 154, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 154, 117);  
box-shadow:4px 4px 4px 4px rgb(237, 154,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6915, 42.4001, 22.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 154, 117) }
```

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

```
.background{ background-color: rgb(237,  
154, 117) }
```

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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