

Converting Colors

XYZ(48.9745, 43.0738, 20.4864)

Have a look what the booklet for
XYZ(48.9745, 43.0738, 20.4864)
contains.

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Color

**XYZ(48.9730, 43.0719,
20.4844)**

Conversions

Conversions Part 1

Format	Color
Hex	EA9E6E
RGB	234, 158, 110
RGB Percent	92%, 62%, 43%
CMY	0.0824, 0.3804, 0.5686
CMYK	0.00, 0.32, 0.53, 0.08
HSL	23°, 75%, 67%
HSV	23°, 53%, 92%
XYZ	48.9730, 43.0719, 20.4844
YIQ	175.2520, 60.7040, 1.1840

Conversions

Conversions Part 2

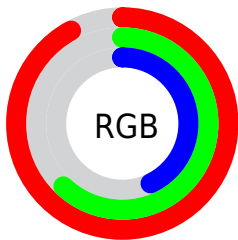
Format	Color
R _Y B	234, 188, 110
Decimal	15375982
CIE Lab	71.60, 23.24, 36.44
CIE LCh	72, 43.222, 57.470
Yxy	43.0719, 0.4352, 0.3828
Android (android.graphics.Color)	4293566062 (0xFFEA9E6E)
YUV	175.2520, -32.1692, 51.5220
Hunter-Lab	65.6292, 18.3470, 27.4346

Details

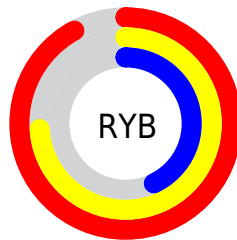
The XYZ color **48.9730, 43.0719, 20.4844** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.8397, 44.3713, 84.3590**, and the grayscale version is **41.0185, 43.1547, 46.9954**.

A 20% lighter version of the original color is **71.5558, 71.4571, 44.2036**, and **23.6755, 19.7590, 6.9809** is the 20% darker color. If you saturate the color by 10%, you get **45.5583, 38.0193, 13.8690**, and if you desaturate by 10%, it is **53.0117, 48.8343, 28.9680**.

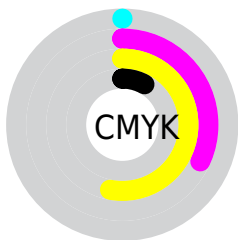
Distribution



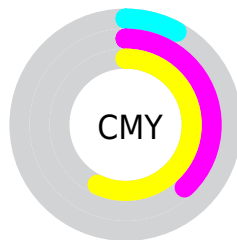
- Red (92%)
- Green (62%)
- Blue (43%)



- Red (92%)
- Yellow (74%)
- Blue (43%)



- Cyan (0%)
- Magenta (32%)
- Yellow (53%)
- Black (8%)





- Cyan (8%)
- Magenta (38%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9730, 43.0719, 20.4844 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 48.9730, 43.0719, 20.4844 by changing the saturation by 10% instead.


 48.9730, 43.0719,
20.4844


 48.9730, 43.0719,
20.4844


373.1547,
358.9074, 267.2160

 34.8125, 29.9415,
12.5601


 87.8523, 79.8193,
45.0974


 23.6843, 19.7942,
6.9992


 113.3018,
104.2052, 62.6232

 15.2231, 12.2455,
3.3831


 143.2451,
133.1117, 84.1866

 9.0634, 6.9111,
1.2934

 178.0475,
166.9232, 110.2061

 4.8400, 3.4066,
0.0564

218.0742,
206.0242, 141.1002

 2.1875, 1.3475,
0.0000

263.6908,

 0.7361, 0.1775,

250.7989, 177.2876

0.0000

315.2625,
301.6318, 219.1866

0.0000, 0.0000,
0.0000

48.9730, 43.0719,
20.4844

48.9730, 43.0719,
20.4844

45.5583, 38.0193,
13.8690

53.0117, 48.8343,
28.9680

42.7275, 33.6396,
8.9734

57.7046, 55.3283,
39.4476

40.4401, 29.9019,
5.6301

63.0837, 62.5826,
52.0425

38.6472, 26.7691,
3.6361

69.1776, 70.6223,
66.8619

37.6377, 24.9047,
2.8234

76.0133, 79.4712,
84.0072

■ 83.6161, 89.1521,
103.5739

■ 87.7416, 96.2324,
108.5580

Harmonies

Analogous

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



54.7212, 43.0719, 30.6698



48.9730, 43.0719, 20.4844



41.5622, 43.0719, 17.0790

Triad

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



48.9730, 43.0719, 20.4844



28.4390, 43.0719, 45.1431



47.7717, 43.0719, 92.4571

Complementary

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



48.9730, 43.0719, 20.4844



38.8397, 44.3713, 84.3590

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.



40.3211, 43.0719, 99.7145



48.9730, 43.0719, 20.4844



29.6894, 43.0719, 68.0292

Square

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



48.9730, 43.0719, 20.4844



30.1931, 43.0719, 28.4085



33.8347, 43.0719, 89.6909



53.9717, 43.0719, 72.0505

Rectangle

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



48.9730, 43.0719, 20.4844



36.8616, 43.0719, 18.0229



33.8347, 43.0719, 89.6909



45.3055, 43.0719, 96.7388

Sweetspot

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



48.9740, 43.0740, 20.4852



81.6987, 82.7163, 75.4122



48.4203, 32.2096, 50.3802



17.1556, 17.2684, 15.3334



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.



48.9740, 43.0740, 20.4852



54.8813, 45.4657, 15.9626



62.2170, 69.5599, 24.8995



15.5436, 16.0103, 15.7898



21.2637, 14.2216, 1.6243



1.7605, 1.2984, 0.1578

Inverse Universe

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



38.8397, 44.3713, 84.3590



41.2535, 47.1047, 101.5256



28.5483, 23.7885, 80.9286



14.9997, 16.0858, 19.2366



14.0255, 14.6980, 45.8407



1.1942, 1.3398, 3.6305

Previews

White Background



This preview shows how the XYZ color 48.9730, 43.0719, 20.4844 looks on a white background.

Color Contrast Check

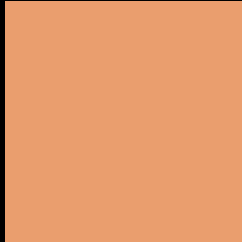
Large Text (above 18pt) WCAG AA × Fail

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 48.9730, 43.0719, 20.4844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

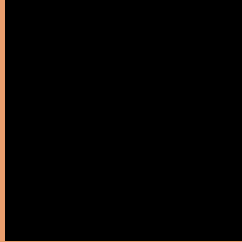
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9730, 43.0719, 20.4844

Background



This preview shows how black text looks on a background with the XYZ color 48.9730, 43.0719, 20.4844.



This preview shows how white text looks on a background with the XYZ color 48.9730, 43.0719,

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

48.9730, 43.0719, 20.4844

Protanopia

40.2221, 43.4114, 23.0889

Deuteranopia

44.1500, 43.2341, 20.2054



Tritanopia

52.9374, 42.9547, 40.1513

Trichromacy



Original Color

48.9730, 43.0719, 20.4844

Protanomaly

42.9574, 42.8562, 21.9276

Deuteranomaly

45.8546, 43.0272, 20.3563

Tritanomaly

51.5147, 43.1293, 31.9952

Monochromacy



Original Color

48.9730, 43.0719, 20.4844

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.5388, 42.3461, 35.2097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9730, 43.0719, 20.4844 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(234, 158, 110)` looks like.

```
.text, #text, p{  
    color:rgb(234, 158, 110)  
}
```

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(234, 158, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 158, 110) }
```

Border

The CSS property to change the border of an element to XYZ 48.9730, 43.0719, 20.4844 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(234, 158, 110) }
```


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

```
.border{ border-color:rgb(234, 158, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 158, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 158, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 158, 110);  
box-shadow:4px 4px 4px 4px rgb(234, 158,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9730, 43.0719, 20.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 158, 110) }
```

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

```
.background{ background-color: rgb(234,  
158, 110) }
```

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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