

Converting Colors

XYZ(52.0617, 48.7410, 24.7659)

Have a look what the booklet for
XYZ(52.0617, 48.7410, 24.7659)
contains.

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Color

**XYZ(51.9990, 48.5913,
24.7276)**

Conversions

Conversions Part 1

Format	Color
Hex	E9AD79
RGB	233, 173, 121
RGB Percent	91%, 68%, 47%
CMY	0.0863, 0.3215, 0.5255
CMYK	0.00, 0.26, 0.48, 0.09
HSL	28°, 72%, 69%
HSV	28°, 48%, 91%
XYZ	51.9990, 48.5913, 24.7276
YIQ	185.0120, 52.4520, -3.4520

Conversions

Conversions Part 2

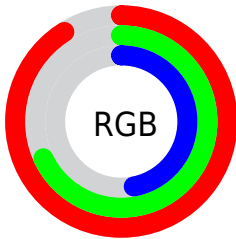
Format	Color
R _Y B	233, 218, 121
Decimal	15314297
CIE Lab	75.20, 15.85, 35.21
CIE LCh	75, 38.615, 65.769
Yxy	48.5913, 0.4149, 0.3877
Android (android.graphics.Color)	4293504377 (0xFFE9AD79)
YUV	185.0120, -31.5579, 42.0855
Hunter-Lab	69.7075, 11.1659, 27.7630

Details

The XYZ color **51.9990, 48.5913, 24.7276** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.1162, 42.9939, 83.3274**, and the grayscale version is **46.2715, 48.6812, 53.0138**.

A 20% lighter version of the original color is **76.6234, 79.8028, 51.4094**, and **25.6539, 23.2436, 9.0956** is the 20% darker color. If you saturate the color by 10%, you get **48.4567, 43.5239, 17.3286**, and if you desaturate by 10%, it is **56.1123, 54.2486, 34.0202**.

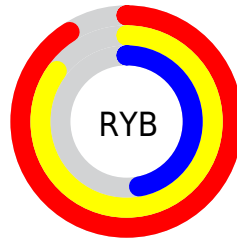
Distribution



Red (91%)

Green (68%)

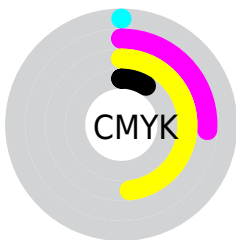
Blue (47%)



Red (91%)

Yellow (85%)

Blue (47%)

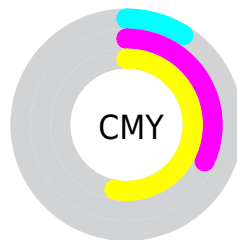


Cyan (0%)

Magenta (26%)

Yellow (48%)

Black (9%)



Cyan (9%)


Magenta (32%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9990, 48.5913, 24.7276 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 51.9990, 48.5913, 24.7276 by changing the saturation by 10% instead.


 51.9990, 48.5913,
24.7276

 51.9990, 48.5913,
24.7276


384.7568,
381.1311, 289.8828

 37.2285, 34.2954,
15.6571


 92.3040, 88.0841,
52.1736

 25.5590, 23.1206,
9.1301

 118.5693,
114.0499, 71.3861

 16.6249, 14.6826,
4.7282


 149.3968,
144.6743, 94.8164

 10.0611, 8.5969,
2.0327

185.1521,
180.3418, 122.8829

 5.5021, 4.4792,
0.5753

226.2003,
221.4369, 156.0043

 2.5825, 1.9451,
0.0000

272.9069,

 0.9370, 0.5753,

268.3439, 194.5990

0.0000

325.6373,
321.4472, 239.0857

■ 0.0000, 0.0000,
0.0000

■ 51.9990, 48.5913,
24.7276

■ 51.9990, 48.5913,
24.7276

■ 48.4567, 43.5239,
17.3286

■ 56.1123, 54.2486,
34.0202

■ 45.4506, 39.0172,
11.6853

■ 60.8218, 60.5095,
45.3254

■ 42.9467, 35.0491,
7.6454


■ 66.1549, 67.3961,
58.7555


■ 40.9045, 31.5929,
5.0284


■ 72.1365, 74.9269,
74.4138

■ 39.2698, 28.6156,
3.5829

■ 78.7897, 83.1197,
92.3965

 38.9867, 28.0888,
3.3669

 85.1883, 91.6120,
107.8007

 87.4141, 96.0635,
108.5426

Harmonies

Analogous

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



58.1319, 48.5913, 33.2370



51.9990, 48.5913, 24.7276



44.8299, 48.5913, 22.8290

Triad

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



51.9990, 48.5913, 24.7276



33.9230, 48.5913, 56.9234



54.6060, 48.5913, 91.2571

Complementary

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



51.9990, 48.5913, 24.7276



39.1162, 42.9939, 83.3274

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.



47.5663, 48.5913, 101.9395



51.9990, 48.5913, 24.7276



35.9978, 48.5913, 79.1200

Square

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



51.9990, 48.5913, 24.7276



34.8514, 48.5913, 38.4676



40.8206, 48.5913, 97.0093



59.7415, 48.5913, 70.5728

Rectangle

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



51.9990, 48.5913, 24.7276



40.5164, 48.5913, 24.9949



40.8206, 48.5913, 97.0093



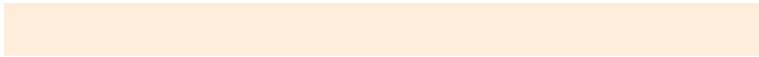
52.3582, 48.5913, 96.3484

Sweetspot

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



52.0002, 48.5937, 24.7286



84.0257, 86.3103, 79.4560



48.9474, 34.4010, 48.6423



17.6521, 18.0528, 16.1422



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.



52.0002, 48.5937, 24.7286



59.3804, 53.2863, 21.0931



64.6339, 73.8611, 28.9398



15.6420, 16.2069, 15.8225



22.2434, 16.1810, 1.9509



1.8420, 1.4614, 0.1850

Inverse Universe

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



39.1162, 42.9939, 83.3274



41.7528, 45.6068, 101.2101



30.1314, 25.0243, 80.3325



14.8994, 15.8853, 19.2031



12.6186, 11.8843, 45.3718



1.0870, 1.1255, 3.5948

Previews

White Background



This preview shows how the XYZ color 51.9990, 48.5913, 24.7276 looks on a white background.

Color Contrast Check

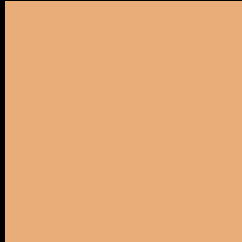
Large Text (above 18pt) WCAG AA × Fail

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 51.9990, 48.5913, 24.7276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

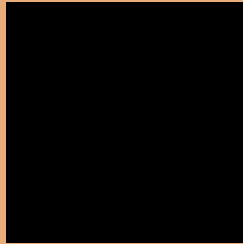
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9990, 48.5913, 24.7276

Background



This preview shows how black text looks on a background with the XYZ color 51.9990, 48.5913, 24.7276.



This preview shows how white text looks on a background with the XYZ color 51.9990, 48.5913,

24.7276.

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

51.9990, 48.5913, 24.7276

Protanopia

45.2023, 48.6218, 26.7412

Deuteranopia

49.5437, 48.4883, 24.5172



Tritanopia

56.9320, 48.6639, 48.5119

Trichromacy



Original Color

51.9990, 48.5913, 24.7276

Protanomaly

47.6025, 48.6491, 25.9501

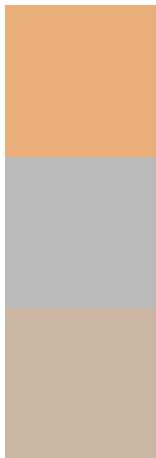
Deuteranomaly

50.5941, 48.7376, 24.5100

Tritanomaly

54.8658, 48.6431, 38.3956

Monochromacy



Original Color

51.9990, 48.5913, 24.7276

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.4026, 48.2129, 40.9901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9990, 48.5913, 24.7276 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(233, 173, 121)` looks like.

```
.text, #text, p{  
    color:rgb(233, 173, 121)  
}
```

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(233, 173, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 173, 121) }
```

Border

The CSS property to change the border of an element to XYZ 51.9990, 48.5913, 24.7276 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(233, 173, 121) }
```


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

```
.border{ border-color:rgb(233, 173, 121) }
```

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

Here you see how a box with a 4 pixel rgb(233, 173, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 173, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 173, 121);  
box-shadow:4px 4px 4px 4px rgb(233, 173,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9990, 48.5913, 24.7276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 173, 121) }
```

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

```
.background{ background-color: rgb(233,  
173, 121) }
```

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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