

Converting Colors

XYZ(48.1608, 45.3860, 25.0930)

Have a look what the booklet for
XYZ(48.1608, 45.3860, 25.0930)
contains.

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Color

**XYZ(48.1945, 45.4940,
24.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	DFA97B
RGB	223, 169, 123
RGB Percent	87%, 66%, 48%
CMY	0.1255, 0.3372, 0.5176
CMYK	0.00, 0.24, 0.45, 0.13
HSL	28°, 61%, 68%
HSV	28°, 45%, 87%
XYZ	48.1945, 45.4940, 24.9800
YIQ	179.9020, 46.9500, -2.8580

Conversions

Conversions Part 2

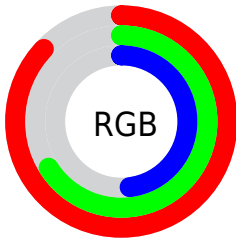
Format	Color
R_{YB}	223, 208, 123
Decimal	14657915
CIE _{Lab}	73.22, 14.16, 31.39
CIE _{LCh}	73, 34.431, 65.720
Yxy	45.4940, 0.4061, 0.3834
Android (android.graphics.Color)	4292847995 (0xFFDFA97B)
YUV	179.9020, -28.0527, 37.7969
Hunter-Lab	67.4492, 9.5074, 25.2563

Details

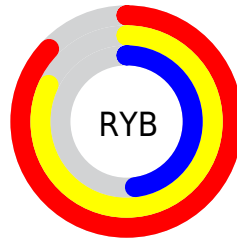
The XYZ color **48.1945, 45.4940, 24.9800** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.2090, 40.9811, 75.7607**, and the grayscale version is **43.4590, 45.7222, 49.7915**.

A 20% lighter version of the original color is **75.7321, 77.7059, 52.0815**, and **23.2898, 21.3106, 9.1892** is the 20% darker color. If you saturate the color by 10%, you get **44.8167, 40.7238, 17.7338**, and if you desaturate by 10%, it is **52.0988, 50.8083, 33.9713**.

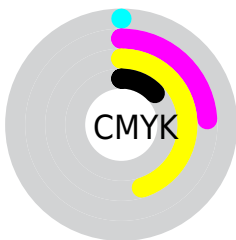
Distribution



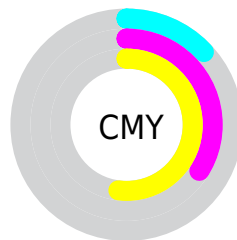
- Red (87%)
- Green (66%)
- Blue (48%)



- Red (87%)
- Yellow (82%)
- Blue (48%)



- Cyan (0%)
- Magenta (24%)
- Yellow (45%)
- Black (13%)





- Cyan (13%)
- Magenta (34%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1945, 45.4940, 24.9800 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 48.1945, 45.4940, 24.9800 by changing the saturation by 10% instead.


 48.1945, 45.4940,
24.9800


 48.1945, 45.4940,
24.9800


370.1323,
368.7706, 291.1828


 34.1928, 31.8467,
15.8433


 86.7019, 83.4612,
52.5885

 23.2054, 21.2444,
9.2602


 111.9383,
108.5499, 71.8973

 14.8668, 13.3028,
4.8121


 141.6503,
138.2212, 95.4340

 8.8116, 7.6374,
2.0807

176.2033,
172.8596, 123.6169

 4.6746, 3.8638,
0.6042

215.9627,
212.8492, 156.8647

 2.0904, 1.5977,
0.0000

261.2937,

 0.6840, 0.3560,

258.5747, 195.5960

0.0000

312.5618,
310.4204, 240.2291

■ 0.0000, 0.0000,
0.0000

■ 48.1945, 45.4940,
24.9800

■ 48.1945, 45.4940,
24.9800

■ 44.8167, 40.7238,
17.7338

■ 52.0988, 50.8083,
33.9713

■ 41.9347, 36.4715,
12.1130

■ 56.5514, 56.6789,
44.8110

■ 39.5192, 32.7176,
7.9867


■ 61.5768, 63.1254,
57.5978


■ 37.5355, 29.4388,
5.2024


■ 67.1969, 70.1645,
72.4222


■ 35.9422, 26.6083,
3.5736

■ 73.4322, 77.8122,
89.3691

 35.2410, 25.3074,
3.0274

 80.0109, 85.9670,
106.9840

 83.6987, 93.3427,
108.2133

 84.2413, 94.4279,
108.3942

Harmonies

Analogous

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



53.3724, 45.4940, 32.5425



48.1945, 45.4940, 24.9800



42.0933, 45.4940, 23.2619

Triad

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



48.1945, 45.4940, 24.9800



32.6829, 45.4940, 52.9251



50.3822, 45.4940, 81.7459

Complementary

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



48.1945, 45.4940, 24.9800



37.2090, 40.9811, 75.7607

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.



44.4087, 45.4940, 90.5517



48.1945, 45.4940, 24.9800



34.4799, 45.4940, 71.6036

Square

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



48.1945, 45.4940, 24.9800



33.4940, 45.4940, 37.0779



38.6385, 45.4940, 86.4637



54.7155, 45.4940, 64.5104

Rectangle

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



48.1945, 45.4940, 24.9800



38.3935, 45.4940, 25.2046



38.6385, 45.4940, 86.4637



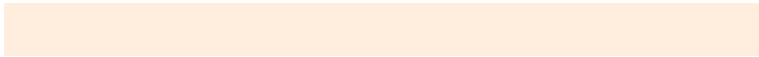
48.4795, 45.4940, 85.9524

Sweetspot

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



48.1956, 45.4962, 24.9809



84.7181, 87.1526, 81.3589



45.5504, 33.0686, 46.1019



17.7876, 18.2171, 16.5163



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.



48.1956, 45.4962, 24.9809



60.9212, 55.4567, 24.4156



59.0778, 67.2606, 28.6083



14.2242, 14.7344, 14.4011



20.8316, 15.1012, 1.8169



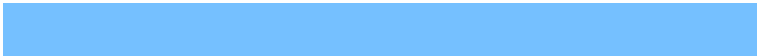
1.5327, 1.2243, 0.1555

Inverse Universe

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



37.2090, 40.9811, 75.7607



44.1995, 48.5688, 101.6529



29.2072, 24.9775, 73.0935



13.5620, 14.4632, 17.4646



11.9241, 11.3177, 42.6044



0.9158, 0.9631, 2.9829

Previews

White Background



This preview shows how the XYZ color 48.1945, 45.4940, 24.9800 looks on a white background.

Color Contrast Check

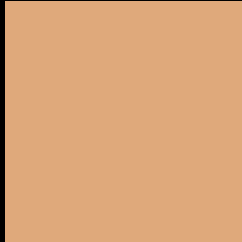
Large Text (above 18pt) WCAG AA × Fail

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 48.1945, 45.4940, 24.9800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

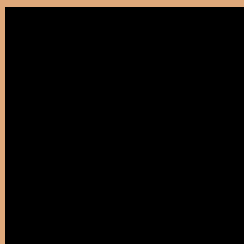
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1945, 45.4940, 24.9800

Background



This preview shows how black text looks on a background with the XYZ color 48.1945, 45.4940, 24.9800.



This preview shows how white text looks on a background with the XYZ color 48.1945, 45.4940,

24.9800.

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

48.1945, 45.4940, 24.9800

Protanopia

42.4657, 45.6704, 26.9992

Deuteranopia

46.2897, 45.3573, 24.7274



Tritanopia

52.6531, 45.4298, 46.5511

Trichromacy



Original Color

48.1945, 45.4940, 24.9800

Protanomaly

44.4681, 45.5362, 26.1843

Deuteranomaly

46.9892, 45.4364, 24.7059

Tritanomaly

50.8199, 45.4793, 37.5524

Monochromacy



Original Color

48.1945, 45.4940, 24.9800

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.5483, 45.2896, 39.1947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1945, 45.4940, 24.9800 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(223, 169, 123)` looks like.

```
.text, #text, p{  
    color:rgb(223, 169, 123)  
}
```

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(223, 169, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 169, 123) }
```

Border

The CSS property to change the border of an element to XYZ 48.1945, 45.4940, 24.9800 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(223, 169, 123) }
```


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

```
.border{ border-color:rgb(223, 169, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 169, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 169, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 169, 123);  
box-shadow:4px 4px 4px 4px rgb(223, 169,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1945, 45.4940, 24.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 169, 123) }
```

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

```
.background{ background-color: rgb(223,  
169, 123) }
```

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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