

Converting Colors

XYZ(48.3260, 45.5130, 23.6697)

Have a look what the booklet for
XYZ(48.3260, 45.5130, 23.6697)
contains.

XYZ(48.2582, 45.5551, 23.7023)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.2582, 45.5551,
23.7023)**

Conversions

Conversions Part 1

Format	Color
Hex	E0A977
RGB	224, 169, 119
RGB Percent	88%, 66%, 47%
CMY	0.1216, 0.3372, 0.5333
CMYK	0.00, 0.25, 0.47, 0.12
HSL	29°, 63%, 67%
HSV	29°, 47%, 88%
XYZ	48.2582, 45.5551, 23.7023
YIQ	179.7450, 48.8300, -3.8900

Conversions

Conversions Part 2

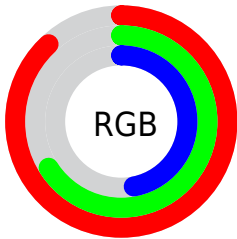
Format	Color
R _Y B	224, 214, 119
Decimal	14723447
CIE Lab	73.26, 14.16, 33.58
CIE LCh	73, 36.442, 67.133
Yxy	45.5551, 0.4107, 0.3877
Android (android.graphics.Color)	4292913527 (0xFFE0A977)
YUV	179.7450, -29.9473, 38.8116
Hunter-Lab	67.4945, 9.5111, 26.4251

Details

The XYZ color **48.2582, 45.5551, 23.7023** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.1977, 39.5743, 76.2516**, and the grayscale version is **43.3838, 45.6431, 49.7053**.

A 20% lighter version of the original color is **75.3420, 77.5499, 50.0274**, and **23.1927, 21.2718, 8.6778** is the 20% darker color. If you saturate the color by 10%, you get **44.9828, 40.9095, 16.7376**, and if you desaturate by 10%, it is **52.0487, 50.7236, 32.4037**.

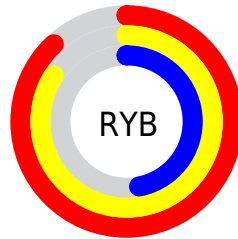
Distribution



Red (88%)

Green (66%)

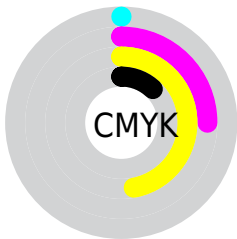
Blue (47%)



Red (88%)

Yellow (84%)

Blue (47%)

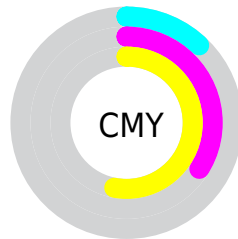


Cyan (0%)

Magenta (25%)

Yellow (47%)

Black (12%)



Cyan (12%)


Magenta (34%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2582, 45.5551, 23.7023 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 48.2582, 45.5551, 23.7023 by changing the saturation by 10% instead.


 48.2582, 45.5551,
23.7023


 48.2582, 45.5551,
23.7023


370.3802,
369.0171, 284.5499


 34.2435, 31.8949,
14.9028


 86.7961, 83.5528,
50.4817

 23.2445, 21.2812,
8.6053


 112.0500,
108.6590, 69.2986

 14.8958, 13.3297,
4.3914


 141.7810,
138.3494, 92.2918

 8.8322, 7.6560,
1.8424

176.3545,
173.0083, 119.8797

 4.6881, 3.8756,
0.4557

216.1358,
213.0201, 152.4810

 2.0983, 1.6042,
0.0000

261.4903,

 0.6883, 0.3604,

258.7693, 190.5140

0.0000

312.7833,
310.6401, 234.3975

■ 0.0000, 0.0000,
0.0000

■ 48.2582, 45.5551,
23.7023

■ 48.2582, 45.5551,
23.7023

■ 44.9828, 40.9095,
16.7376

■ 52.0487, 50.7236,
32.4037

■ 42.1916, 36.7610,
11.3861

■ 56.3764, 56.4266,
42.9482

■ 39.8545, 33.0909,
7.5121


■ 61.2658, 62.6831,
55.4368


■ 37.9361, 29.8759,
4.9558


■ 66.7389, 69.5093,
69.9625


■ 36.3919, 27.0889,
3.5117

■ 72.8163, 76.9207,
86.6118

 35.9645, 26.2955,
3.1800

 79.5176, 84.9318,
105.4667

 83.3287, 92.1439,
108.0014

 84.5504, 94.5873,
108.4086

Harmonies

Analogous

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



53.8675, 45.5551, 31.2256



48.2582, 45.5551, 23.7023



41.7888, 45.5551, 22.2088

Triad

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



48.2582, 45.5551, 23.7023



32.2014, 45.5551, 54.1073



51.1592, 45.5551, 83.3323

Complementary

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



48.2582, 45.5551, 23.7023



36.1977, 39.5743, 76.2516

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.



44.8446, 45.5551, 93.4266



48.2582, 45.5551, 23.7023



34.2116, 45.5551, 74.0597

Square

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



48.2582, 45.5551, 23.7023



32.9223, 45.5551, 37.1299



38.6913, 45.5551, 89.6703



55.6542, 45.5551, 64.5937

Rectangle

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



48.2582, 45.5551, 23.7023



37.9263, 45.5551, 24.3864



38.6913, 45.5551, 89.6703



49.1561, 45.5551, 88.0352

Sweetspot

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



48.2593, 45.5573, 23.7032



84.1481, 86.5551, 79.4968



45.0754, 32.1365, 44.3850



17.6819, 18.1123, 16.1521



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.



48.2593, 45.5573, 23.7032



60.5388, 55.1604, 22.8440



59.7949, 68.6284, 27.5484



14.2430, 14.7719, 14.4074



21.0476, 15.5330, 1.8888



1.5481, 1.2551, 0.1607

Inverse Universe

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



36.1977, 39.5743, 76.2516



42.5265, 46.2156, 101.2869



28.0838, 23.3465, 73.5470



13.5431, 14.4254, 17.4583



11.6722, 10.8139, 42.5205



0.8986, 0.9286, 2.9771

Previews

White Background



This preview shows how the XYZ color 48.2582, 45.5551, 23.7023 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 48.2582, 45.5551, 23.7023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

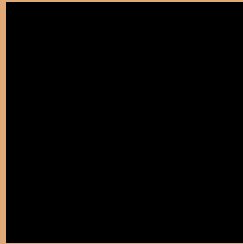
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2582, 45.5551, 23.7023

Background



This preview shows how black text looks on a background with the XYZ color 48.2582, 45.5551, 23.7023.



This preview shows how white text looks on a background with the XYZ color 48.2582, 45.5551,

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

48.2582, 45.5551, 23.7023

Protanopia

42.4650, 45.6999, 25.6516

Deuteranopia

46.3414, 45.4120, 23.4625



Tritanopia

52.8734, 45.5547, 46.0506

Trichromacy



Original Color

48.2582, 45.5551, 23.7023

Protanomaly

44.4918, 45.5776, 24.8647

Deuteranomaly

47.0463, 45.4939, 23.4411

Tritanomaly

50.9664, 45.5743, 36.6823

Monochromacy



Original Color

48.2582, 45.5551, 23.7023

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.4618, 45.2551, 38.7395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2582, 45.5551, 23.7023 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(224, 169, 119)` looks like.

```
.text, #text, p{  
    color:rgb(224, 169, 119)  
}
```

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(224, 169, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 169, 119) }
```

Border

The CSS property to change the border of an element to XYZ 48.2582, 45.5551, 23.7023 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(224, 169, 119) }
```


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

```
.border{ border-color:rgb(224, 169, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 169, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 169, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 169, 119);  
box-shadow:4px 4px 4px 4px rgb(224, 169,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2582, 45.5551, 23.7023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 169, 119) }
```

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

```
.background{ background-color: rgb(224,  
169, 119) }
```

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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