

Converting Colors

XYZ(45.3958, 44.7790, 30.5388)

Have a look what the booklet for
XYZ(45.3958, 44.7790, 30.5388)
contains.

XYZ(45.4251, 44.7790, 30.6751)	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(45.4251, 44.7790,
30.6751)**

Conversions

Conversions Part 1

Format	Color
Hex	D0AC8B
RGB	208, 172, 139
RGB Percent	82%, 67%, 55%
CMY	0.1843, 0.3255, 0.4549
CMYK	0.00, 0.17, 0.33, 0.18
HSL	29°, 42%, 68%
HSV	29°, 33%, 82%
XYZ	45.4251, 44.7790, 30.6751
YIQ	179.0020, 32.0490, -2.6310

Conversions

Conversions Part 2

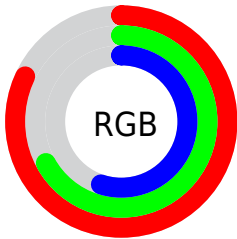
Format	Color
R _Y B	208, 202, 139
Decimal	13675659
CIE Lab	72.75, 8.39, 21.90
CIE LCh	73, 23.454, 69.027
Yxy	44.7790, 0.3758, 0.3704
Android (android.graphics.Color)	4291865739 (0xFFD0AC8B)
YUV	179.0020, -19.7210, 25.4312
Hunter-Lab	66.9171, 4.0656, 19.6632

Details

The XYZ color **45.4251, 44.7790, 30.6751** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.3621, 40.7016, 65.5615**, and the grayscale version is **42.9396, 45.1758, 49.1964**.

A 20% lighter version of the original color is **78.3347, 80.0484, 61.7743**, and **21.4685, 20.8296, 12.3402** is the 20% darker color. If you saturate the color by 10%, you get **42.0663, 40.2665, 22.7574**, and if you desaturate by 10%, it is **49.2440, 49.7486, 40.1737**.

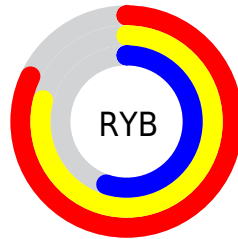
Distribution



Red (82%)

Green (67%)

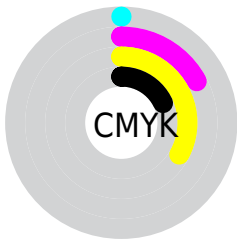
Blue (55%)



Red (82%)

Yellow (79%)

Blue (55%)

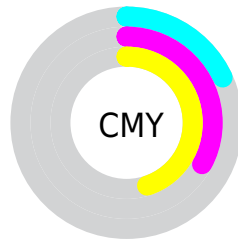


Cyan (0%)

Magenta (17%)

Yellow (33%)

Black (18%)



Cyan (18%)


Magenta (33%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4251, 44.7790, 30.6751 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 45.4251, 44.7790, 30.6751 by changing the saturation by 10% instead.


 45.4251, 44.7790,
30.6751

 45.4251, 44.7790,
30.6751


359.2473,
365.8778, 319.3434


 31.9951, 31.2834,
20.0952

 82.5911, 82.3887,
61.8018

 21.5133, 20.8147,
12.2795


 107.0578,
107.2715, 83.1856

 13.6143, 12.9886,
6.8095


 135.9341,
136.7189, 109.0078

 7.9328, 7.4207,
3.2666

169.5854,
171.1153, 139.6869

 4.1034, 3.7266,
1.2323

208.3770,
210.8449, 175.6415

 1.7608, 1.5218,
0.0053

252.6743,

 0.4939, 0.3040,

256.2923, 217.2901

0.0000

302.8426,
307.8418, 265.0512

0.0000, 0.0000,
0.0000

45.4251, 44.7790,
30.6751

45.4251, 44.7790,
30.6751

42.0663, 40.2665,
22.7574

49.2440, 49.7486,
40.1737

39.1437, 36.1902,
16.3299

53.5387, 55.1830,
51.3315

36.6363, 32.5368,
11.2969

58.3280, 61.0972,
64.2249

34.5193, 29.2894,
7.5500

63.6288, 67.5038,
78.9248

32.7650, 26.4296,
4.9647

69.4572, 74.4148,
95.4978

■ 31.3404, 23.9368,
3.3911

■ 74.3785, 81.2620,
106.3727

■ 30.5210, 22.4271,
2.7202

■ 77.6178, 87.7406,
107.4525

■ 79.8224, 92.1499,
108.1874

Harmonies

Analogous

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



48.9370, 44.7790, 35.9577



45.4251, 44.7790, 30.6751



41.3446, 44.7790, 29.7969

Triad

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



45.4251, 44.7790, 30.6751



35.2882, 44.7790, 52.3597



47.6834, 44.7790, 68.3303

Complementary

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



45.4251, 44.7790, 30.6751



37.3621, 40.7016, 65.5615

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.



43.8012, 44.7790, 74.4206



45.4251, 44.7790, 30.6751



36.7646, 44.7790, 64.2810

Square

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



45.4251, 44.7790, 30.6751



35.6617, 44.7790, 41.1640



39.8201, 44.7790, 72.8310



50.2975, 44.7790, 57.2299

Rectangle

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



45.4251, 44.7790, 30.6751



38.8744, 44.7790, 31.6626



39.8201, 44.7790, 72.8310



46.4738, 44.7790, 71.1058

Sweetspot

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



45.4263, 44.7811, 30.6760



87.1149, 90.2694, 87.3276



43.0620, 35.0022, 45.4574



18.4215, 19.0422, 18.0923



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.



45.4263, 44.7811, 30.6760



68.0609, 65.7022, 39.2316



52.6719, 59.2723, 33.0912



12.2686, 12.7278, 12.4221



19.1180, 14.1690, 1.7273



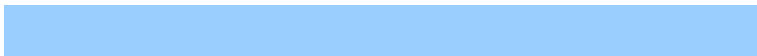
1.1482, 0.9507, 0.1230

Inverse Universe

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



37.3621, 40.7016, 65.5615



53.3089, 58.2364, 103.0388



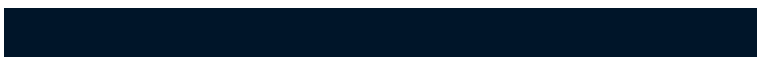
31.6022, 29.1819, 63.6415



11.6666, 12.4235, 15.0267



10.5690, 9.7846, 38.5241



0.6702, 0.7055, 2.1804

Previews

White Background



This preview shows how the XYZ color 45.4251, 44.7790, 30.6751 looks on a white background.

Color Contrast Check

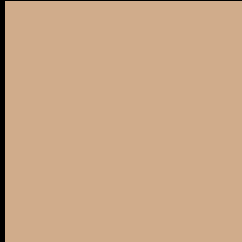
Large Text (above 18pt) WCAG AA × Fail

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 45.4251, 44.7790, 30.6751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

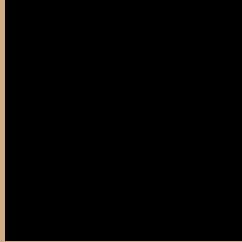
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4251, 44.7790, 30.6751

Background



This preview shows how black text looks on a background with the XYZ color 45.4251, 44.7790, 30.6751.



This preview shows how white text looks on a background with the XYZ color 45.4251, 44.7790,

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

45.4251, 44.7790, 30.6751

Protanopia

42.0381, 44.7409, 32.0114

Deuteranopia

45.5176, 44.5452, 30.6251



Tritanopia

48.9243, 44.5242, 48.6633

Trichromacy



Original Color

45.4251, 44.7790, 30.6751

Protanomaly

43.3590, 44.8441, 31.5698

Deuteranomaly

45.5176, 44.5452, 30.6251

Tritanomaly

47.5674, 44.5345, 41.2109

Monochromacy



Original Color

45.4251, 44.7790, 30.6751

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.4614, 44.6782, 41.4550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4251, 44.7790, 30.6751 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(208, 172, 139)` looks like.

```
.text, #text, p{  
    color:rgb(208, 172, 139)  
}
```

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(208, 172, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 172, 139) }
```

Border

The CSS property to change the border of an element to XYZ 45.4251, 44.7790, 30.6751 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(208, 172, 139) }
```


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

```
.border{ border-color:rgb(208, 172, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 172, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 172, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 172, 139);  
box-shadow:4px 4px 4px 4px rgb(208, 172,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4251, 44.7790, 30.6751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 172, 139) }
```

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

```
.background{ background-color: rgb(208,  
172, 139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor