

Converting Colors

XYZ(45.5524, 44.8573, 15.2025)

Have a look what the booklet for
XYZ(45.5524, 44.8573, 15.2025)
contains.

XYZ(45.4966, 44.8740, 15.2804)	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(45.4966, 44.8740,
15.2804)**

Conversions

Conversions Part 1

Format	Color
Hex	DBAB57
RGB	219, 171, 87
RGB Percent	86%, 67%, 34%
CMY	0.1412, 0.3294, 0.6588
CMYK	0.00, 0.22, 0.60, 0.14
HSL	38°, 65%, 60%
HSV	38°, 60%, 86%
XYZ	45.4966, 44.8740, 15.2804
YIQ	175.7760, 55.5720, -15.9480

Conversions

Conversions Part 2

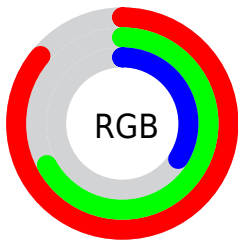
Format	Color
RYB	162, 219, 87
Decimal	14396247
CIELab	72.81, 8.33, 49.19
CIELCh	73, 49.886, 80.388
Yxy	44.8740, 0.4306, 0.4247
Android (android.graphics.Color)	4292586327 (0xFFDBAB57)
YUV	175.7760, -43.7666, 37.9074
Hunter-Lab	66.9881, 4.0036, 33.3672

Details

The XYZ color **45.4966, 44.8740, 15.2804** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.3802, 24.4675, 70.4025**, and the grayscale version is **41.3516, 43.5051, 47.3770**.

A 20% lighter version of the original color is **73.0966, 77.5168, 35.5357**, and **21.6132, 20.8981, 4.5637** is the 20% darker color. If you saturate the color by 10%, you get **43.2752, 41.6525, 10.7755**, and if you desaturate by 10%, it is **48.0821, 48.3896, 21.2463**.

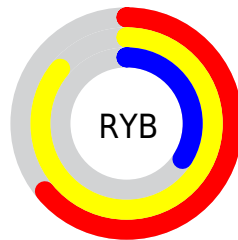
Distribution



Red (86%)

Green (67%)

Blue (34%)



Red (64%)

Yellow (86%)

Blue (34%)

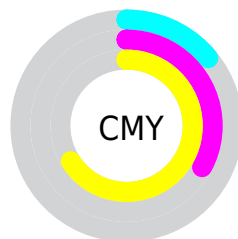


Cyan (0%)

Magenta (22%)

Yellow (60%)

Black (14%)



Cyan (14%)


Magenta (33%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4966, 44.8740, 15.2804 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 45.4966, 44.8740, 15.2804 by changing the saturation by 10% instead.


 45.4966, 44.8740,
15.2804


 45.4966, 44.8740,
15.2804


359.5310,
366.2630, 236.7561

 32.0517, 31.3582,
8.8676


 82.6976, 82.5313,
36.0936


 21.5567, 20.8718,
4.5593


 107.1844,
107.4416, 51.3310

 13.6463, 13.0303,
1.9369


 136.0826,
136.9188, 70.3471

 7.9551, 7.4494,
0.5161

 169.7574,
171.3474, 93.5604

 4.1178, 3.7447,
0.0000

 208.5744,
211.1117, 121.3894

 1.7690, 1.5318,
0.0000

252.8987,

 0.4989, 0.3110,

256.5962, 154.2527

0.0000

303.0958,
308.1851, 192.5687

■ 0.0000, 0.0000,
0.0000

■ 45.4966, 44.8740,
15.2804

■ 45.4966, 44.8740,
15.2804

■ 43.2752, 41.6525,
10.7755

■ 48.0821, 48.3896,
21.2463

■ 41.3878, 38.7054,
7.5945

■ 51.0523, 52.2048,
28.7883

■ 39.8035, 36.0193,
5.5788

■ 54.4298, 56.3328,
38.0127

■ 38.4999, 33.6332,
4.4627

■ 58.2342, 60.7837,
49.0159

■ 62.4837, 65.5673,
61.8871

■ 67.1955, 70.6924,
76.7091

■ 72.3857, 76.1679,
93.5601

■ 76.8879, 81.5293,
106.2920

■ 79.2153, 86.1840,
107.0678

Harmonies

Analogous

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



54.1908, 44.8740, 20.5315



45.4966, 44.8740, 15.2804



37.1019, 44.8740, 16.3751

Triad

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



45.4966, 44.8740, 15.2804



28.8527, 44.8740, 67.4571



56.8303, 44.8740, 86.0708

Complementary

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



45.4966, 44.8740, 15.2804



25.3802, 24.4675, 70.4025

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.



48.7283, 44.8740, 108.6858



45.4966, 44.8740, 15.2804



32.8787, 44.8740, 95.6567

Square

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



45.4966, 44.8740, 15.2804



28.2326, 44.8740, 41.3123



39.9273, 44.8740, 112.6896



61.2951, 44.8740, 57.2755

Rectangle

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



45.4966, 44.8740, 15.2804



32.7334, 44.8740, 20.7658



39.9273, 44.8740, 112.6896



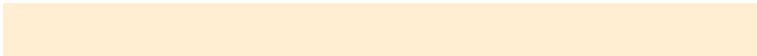
54.3942, 44.8740, 95.0069

Sweetspot

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



45.4977, 44.8762, 15.2813



83.4262, 87.1987, 72.8205



37.0231, 23.6373, 25.6812



17.4972, 18.2529, 14.5184



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.



45.4977, 44.8762, 15.2813



60.4256, 57.7908, 13.9987



51.2468, 63.8239, 18.6355



13.7434, 14.4262, 13.7858



22.9362, 20.1580, 2.6820



1.5668, 1.4676, 0.2007

Inverse Universe

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



25.3802, 24.4675, 70.4025



29.7889, 26.7965, 98.2099



21.9735, 14.9104, 68.7373



12.7244, 13.3885, 16.5657



9.3617, 6.5929, 40.5175



0.6868, 0.5878, 2.6517

Previews

White Background



This preview shows how the XYZ color 45.4966, 44.8740, 15.2804 looks on a white background.

Color Contrast Check

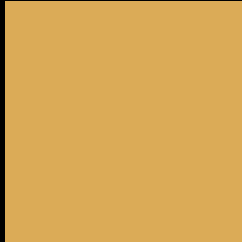
Large Text (above 18pt) WCAG AA × Fail

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 45.4966, 44.8740, 15.2804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

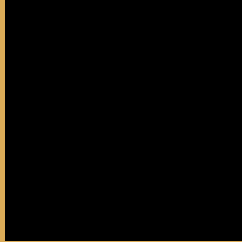
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4966, 44.8740, 15.2804

Background



This preview shows how black text looks on a background with the XYZ color 45.4966, 44.8740, 15.2804.



This preview shows how white text looks on a background with the XYZ color 45.4966, 44.8740,

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

45.4966, 44.8740, 15.2804

Protanopia

41.2543, 44.9842, 16.1813

Deuteranopia

45.6102, 44.6532, 15.2318



Tritanopia

51.7489, 44.7145, 45.9477

Trichromacy



Original Color

45.4966, 44.8740, 15.2804

Protanomaly

42.7821, 44.8937, 15.8617

Deuteranomaly

45.6102, 44.6532, 15.2318

Tritanomaly

48.7690, 44.5512, 31.6200

Monochromacy



Original Color

45.4966, 44.8740, 15.2804

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.9083, 43.4922, 32.5716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4966, 44.8740, 15.2804 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(219, 171, 87)` looks like.

```
.text, #text, p{  
    color:rgb(219, 171, 87)  
}
```

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(219, 171, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 171, 87) }
```

Border

The CSS property to change the border of an element to XYZ 45.4966, 44.8740, 15.2804 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(219, 171, 87) }
```


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

```
.border{ border-color:rgb(219, 171, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 171, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 171, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 171, 87);  
box-shadow:4px 4px 4px 4px rgb(219, 171,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4966, 44.8740, 15.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 171, 87) }
```

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

```
.background{ background-color: rgb(219,  
171, 87) }
```

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