

Converting Colors

XYZ(45.8168, 43.7523, 20.2169)

Have a look what the booklet for
XYZ(45.8168, 43.7523, 20.2169)
contains.

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Color

**XYZ(45.7389, 43.7802,
20.2271)**

Conversions

Conversions Part 1

Format	Color
Hex	DBA76C
RGB	219, 167, 108
RGB Percent	86%, 65%, 42%
CMY	0.1412, 0.3451, 0.5765
CMYK	0.00, 0.24, 0.51, 0.14
HSL	32°, 61%, 64%
HSV	32°, 51%, 86%
XYZ	45.7389, 43.7802, 20.2271
YIQ	175.8220, 49.9310, -7.3250

Conversions

Conversions Part 2

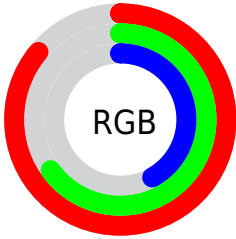
Format	Color
R_{YB}	206, 219, 108
Decimal	14395244
CIE _{Lab}	72.08, 12.16, 37.75
CIE _{LCh}	72, 39.656, 72.146
Yxy	43.7802, 0.4168, 0.3989
Android (android.graphics.Color)	4292585324 (0xFFDBA76C)
YUV	175.8220, -33.4362, 37.8671
Hunter-Lab	66.1666, 7.5999, 28.1917

Details

The XYZ color **45.7389, 43.7802, 20.2271** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.5408, 33.4429, 71.8103**, and the grayscale version is **41.3255, 43.4776, 47.3471**.

A 20% lighter version of the original color is **73.7064, 76.0406, 44.0503**, and **21.6181, 20.1543, 6.8884** is the 20% darker color. If you saturate the color by 10%, you get **42.9114, 39.7621, 14.2388**, and if you desaturate by 10%, it is **49.0104, 48.2179, 27.8084**.

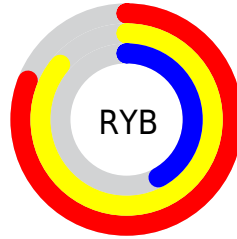
Distribution



Red (86%)

Green (65%)

Blue (42%)



Red (81%)

Yellow (86%)

Blue (42%)

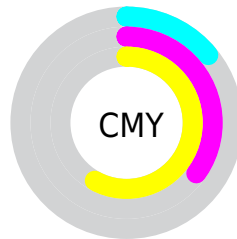


Cyan (0%)

Magenta (24%)

Yellow (51%)

Black (14%)



Cyan (14%)


Magenta (35%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7389, 43.7802, 20.2271 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 45.7389, 43.7802, 20.2271 by changing the saturation by 10% instead.


 45.7389, 43.7802,
20.2271

 45.7389, 43.7802,
20.2271


360.4915,
361.8106, 265.7867


 32.2436, 30.4977,
12.3745


 83.0584, 80.8869,
44.6616


 21.7041, 20.2167,
6.8737


 107.6132,
105.4799, 62.0805

 13.7550, 12.5527,
3.3060


 136.5853,
134.6119, 83.5254

 8.0310, 7.1212,
1.2529

 170.3400,
168.6673, 109.4147

 4.1668, 3.5380,
0.0227

209.2426,
208.0305, 140.1669

 1.7969, 1.4187,
0.0000

253.6584,

 0.5158, 0.2304,

253.0858, 176.2006

0.0000

303.9530,
304.2177, 217.9344

■ 0.0000, 0.0000,
0.0000

■ 45.7389, 43.7802,
20.2271

■ 45.7389, 43.7802,
20.2271

■ 42.9114, 39.7621,
14.2388

■ 49.0104, 48.2179,
27.8084

■ 40.4989, 36.1413,
9.7221

■ 52.7460, 53.0833,
37.0868

■ 38.4733, 32.9027,
6.5420

■ 56.9683, 58.3926,
48.1605

■ 36.8005, 30.0265,
4.5368

■ 61.6974, 64.1585,
61.1192

■ 35.5067, 27.6467,
3.4649

■ 66.9518, 70.3934,
76.0469

■ 72.7495, 77.1092,
93.0221

■ 78.0756, 83.9047,
106.6879

■ 81.1617, 90.0767,
107.7166

■ 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



52.0476, 43.7802, 26.7453



45.7389, 43.7802, 20.2271



38.9281, 43.7802, 19.6885

Triad

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



45.7389, 43.7802, 20.2271



30.1218, 43.7802, 55.9659



50.9889, 43.7802, 81.0636

Complementary

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



45.7389, 43.7802, 20.2271



31.5408, 33.4429, 71.8103

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.



44.4160, 43.7802, 94.2894



45.7389, 43.7802, 20.2271



32.6734, 43.7802, 77.3746

Square

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



45.7389, 43.7802, 20.2271



30.3936, 43.7802, 37.1121



37.7407, 43.7802, 92.7808



55.2979, 43.7802, 60.0595

Rectangle

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



45.7389, 43.7802, 20.2271



35.0523, 43.7802, 22.5263



37.7407, 43.7802, 92.7808



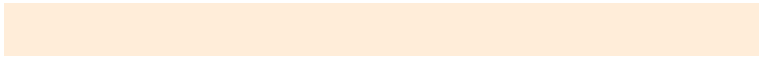
48.9424, 43.7802, 86.7936

Sweetspot

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



45.7400, 43.7823, 20.2280



84.0401, 86.8731, 77.8141



41.0667, 28.3818, 37.3337



17.6859, 18.2255, 15.8294



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.



45.7400, 43.7823, 20.2280



60.2697, 55.6815, 19.4885



56.6981, 66.5203, 24.0393



13.6262, 14.1918, 13.7467



21.1645, 16.6146, 2.0915



1.4571, 1.2484, 0.1642

Inverse Universe

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



31.5408, 33.4429, 71.8103



38.0571, 39.5225, 100.2305



24.5609, 19.1455, 69.4185



12.8390, 13.6178, 16.6039



10.5407, 8.9509, 40.9105



0.7686, 0.7514, 2.6790

Previews

White Background



This preview shows how the XYZ color 45.7389, 43.7802, 20.2271 looks on a white background.

Color Contrast Check

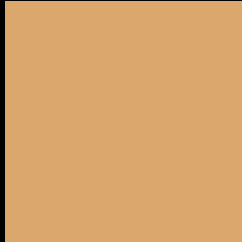
Large Text (above 18pt) WCAG AA × Fail

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 45.7389, 43.7802, 20.2271 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 45.7389, 43.7802, 20.2271

Background



This preview shows how black text looks on a background with the XYZ color 45.7389, 43.7802, 20.2271.



This preview shows how white text looks on a background with the XYZ color 45.7389, 43.7802,

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

45.7389, 43.7802, 20.2271

Protanopia

40.6391, 43.9516, 21.6708

Deuteranopia

44.6263, 43.7548, 20.2808



Tritanopia

50.8002, 43.7441, 44.2941

Trichromacy



Original Color

45.7389, 43.7802, 20.2271

Protanomaly

42.1699, 43.5914, 21.2303

Deuteranomaly

45.0283, 43.6869, 20.2465

Tritanomaly

48.6971, 43.6668, 33.8789

Monochromacy



Original Color

45.7389, 43.7802, 20.2271

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.2677, 43.3280, 35.4135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7389, 43.7802, 20.2271 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, 167, 108)` looks like.

```
.text, #text, p{  
    color:rgb(219, 167, 108)  
}
```

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, 167, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 167, 108) }
```

Border

The CSS property to change the border of an element to XYZ 45.7389, 43.7802, 20.2271 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, 167, 108) }
```


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

```
.border{ border-color:rgb(219, 167, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 167, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 167, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 167, 108);  
box-shadow:4px 4px 4px 4px rgb(219, 167,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7389, 43.7802, 20.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 167, 108) }
```

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

```
.background{ background-color: rgb(219,  
167, 108) }
```

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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