

Converting Colors

XYZ(45.6871, 43.7611, 19.9492)

Have a look what the booklet for
XYZ(45.6871, 43.7611, 19.9492)
contains.

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Color

**XYZ(45.6860, 43.7590,
19.9483)**

Conversions

Conversions Part 1

Format	Color
Hex	DBA76B
RGB	219, 167, 107
RGB Percent	86%, 65%, 42%
CMY	0.1412, 0.3451, 0.5804
CMYK	0.00, 0.24, 0.51, 0.14
HSL	32°, 61%, 64%
HSV	32°, 51%, 86%
XYZ	45.6860, 43.7590, 19.9483
YIQ	175.7080, 50.2520, -7.6360

Conversions

Conversions Part 2

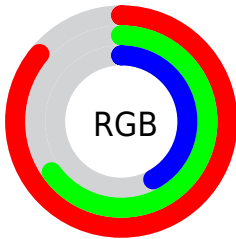
Format	Color
R_{YB}	204, 219, 107
Decimal	14395243
CIE _{Lab}	72.07, 12.07, 38.25
CIE _{LCh}	72, 40.107, 72.488
Yxy	43.7590, 0.4176, 0.4000
Android (android.graphics.Color)	4292585323 (0xFFDBA76B)
YUV	175.7080, -33.8730, 37.9671
Hunter-Lab	66.1506, 7.5151, 28.4260

Details

The XYZ color **45.6860, 43.7590, 19.9483** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.2472, 33.0353, 71.7473**, and the grayscale version is **41.2681, 43.4173, 47.2814**.

A 20% lighter version of the original color is **73.6193, 76.0058, 43.5913**, and **21.5924, 20.1440, 6.7531** is the 20% darker color. If you saturate the color by 10%, you get **42.8868, 39.7769, 14.0329**, and if you desaturate by 10%, it is **48.9255, 48.1549, 27.4508**.

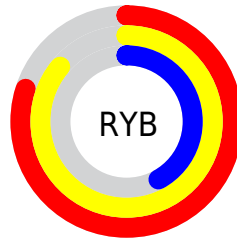
Distribution



Red (86%)

Green (65%)

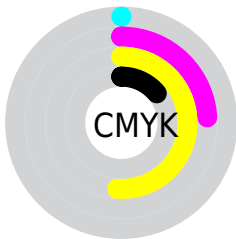
Blue (42%)



Red (80%)

Yellow (86%)

Blue (42%)

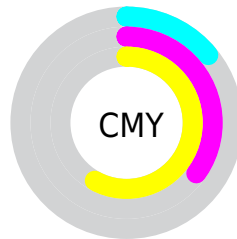


Cyan (0%)

Magenta (24%)

Yellow (51%)

Black (14%)



Cyan (14%)

Magenta (35%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6860, 43.7590, 19.9483 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 45.6860, 43.7590, 19.9483 by changing the saturation by 10% instead.

45.6860, 43.7590,
19.9483

45.6860, 43.7590,
19.9483

360.2820,
361.7239, 264.2301

32.2017, 30.4811,
12.1738

82.9796, 80.8550,
44.1883

21.6719, 20.2040,
6.7382

107.5196,
105.4418, 61.4909

13.7313, 12.5434,
3.2229

136.4756,
134.5671, 82.8065

8.0144, 7.1149,
1.2096

170.2128,
168.6152, 108.5538

4.1561, 3.5341,
0.0000

209.0967,
207.9706, 139.1513

1.7908, 1.4165,
0.0000

253.4927,

0.5121, 0.2288,

253.0175, 175.0174

0.0000

303.7660,
304.1405, 216.5709

■ 0.0000, 0.0000,
0.0000

■ 45.6860, 43.7590,
19.9483

■ 45.6860, 43.7590,
19.9483

■ 42.8868, 39.7769,
14.0329

■ 48.9255, 48.1549,
27.4508

■ 40.4990, 36.1867,
9.5824

■ 52.6256, 52.9728,
36.6449

■ 38.4944, 32.9731,
6.4611

■ 56.8088, 58.2285,
47.6291

■ 36.8385, 30.1168,
4.5057

■ 61.4950, 63.9347,
60.4934

■ 35.6133, 27.8599,
3.5005

■ 66.7030, 70.1038,
75.3221

■ 72.4504, 76.7474,
92.1938

■ 77.8886, 83.5304,
106.6256

■ 80.9357, 89.6246,
107.6413

■ 83.0234, 93.8001,
108.3372

Harmonies

Analogous

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



52.0904, 43.7590, 26.4235



45.6860, 43.7590, 19.9483



38.8055, 43.7590, 19.4727

Triad

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



45.6860, 43.7590, 19.9483



30.0023, 43.7590, 56.2855



51.1467, 43.7590, 81.2634

Complementary

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



45.6860, 43.7590, 19.9483



31.2472, 33.0353, 71.7473

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.



44.5079, 43.7590, 94.8328



45.6860, 43.7590, 19.9483



32.6078, 43.7590, 77.9683

Square

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



45.6860, 43.7590, 19.9483



30.2435, 43.7590, 37.1642



37.7495, 43.7590, 93.4839



55.4733, 43.7590, 59.9340

Rectangle

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



45.6860, 43.7590, 19.9483



34.9048, 43.7590, 22.3675



37.7495, 43.7590, 93.4839



49.0821, 43.7590, 87.1162

Sweetspot

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



45.6871, 43.7611, 19.9492



84.0864, 86.9658, 77.8295



40.7525, 28.0883, 36.1964



17.6971, 18.2478, 15.8331



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.



45.6871, 43.7611, 19.9492



60.4033, 55.9487, 19.5331



56.0881, 66.2120, 23.7344



13.6309, 14.2011, 13.7482



21.2278, 16.7411, 2.1125



1.4612, 1.2564, 0.1655

Inverse Universe

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



31.2472, 33.0353, 71.7473



37.9333, 39.2749, 100.1893



24.5663, 18.9926, 69.3889



12.8344, 13.6086, 16.6024



10.4870, 8.8434, 40.8926



0.7650, 0.7442, 2.6778

Previews

White Background



This preview shows how the XYZ color 45.6860, 43.7590, 19.9483 looks on a white background.

Color Contrast Check

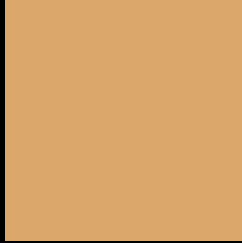
Large Text (above 18pt) WCAG AA × Fail

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 45.6860, 43.7590, 19.9483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

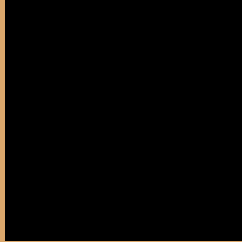
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6860, 43.7590, 19.9483

Background



This preview shows how black text looks on a background with the XYZ color 45.6860, 43.7590, 19.9483.



This preview shows how white text looks on a background with the XYZ color 45.6860, 43.7590,

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

45.6860, 43.7590, 19.9483

Protanopia

40.5837, 43.9294, 21.3792

Deuteranopia

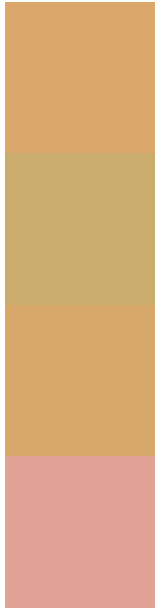
44.8661, 43.8845, 20.0158



Tritanopia

50.8002, 43.7441, 44.2941

Trichromacy



Original Color

45.6860, 43.7590, 19.9483

Protanomaly

42.1152, 43.5695, 20.9419

Deuteranomaly

44.9754, 43.6657, 19.9678

Tritanomaly

48.6971, 43.6668, 33.8789

Monochromacy



Original Color

45.6860, 43.7590, 19.9483

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 45.6860, 43.7590, 19.9483 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(219, 167, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 167, 107) }
```

Border

The CSS property to change the border of an element to XYZ 45.6860, 43.7590, 19.9483 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, 107) }
```


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

```
.border{ border-color:rgb(219, 167, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 167, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 167, 107);  
box-shadow:4px 4px 4px 4px rgb(219, 167,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6860, 43.7590, 19.9483 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, 107) }
```

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

```
.background{ background-color: rgb(219,  
167, 107) }
```

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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