

Converting Colors

XYZ(43.1985, 43.2483, 26.3212)

Have a look what the booklet for
XYZ(43.1985, 43.2483, 26.3212)
contains.

XYZ(43.1728, 43.1453, 26.4745)	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(43.1728, 43.1453,
26.4745)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAA80
RGB	204, 170, 128
RGB Percent	80%, 67%, 50%
CMY	0.2000, 0.3333, 0.4980
CMYK	0.00, 0.17, 0.37, 0.20
HSL	33°, 43%, 65%
HSV	33°, 37%, 80%
XYZ	43.1728, 43.1453, 26.4745
YIQ	175.3780, 33.7460, -5.8540

Conversions

Conversions Part 2

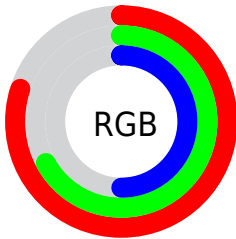
Format	Color
R _Y B	190, 204, 128
Decimal	13412992
CIE Lab	71.65, 6.53, 26.30
CIE LCh	72, 27.096, 76.047
Yxy	43.1453, 0.3828, 0.3825
Android (android.graphics.Color)	4291603072 (0xFFCCAA80)
YUV	175.3780, -23.3574, 25.1015
Hunter-Lab	65.6851, 2.3737, 22.0826

Details

The XYZ color **43.1728, 43.1453, 26.4745** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.7211, 34.7883, 62.1169**, and the grayscale version is **41.0494, 43.1872, 47.0308**.

A 20% lighter version of the original color is **76.5057, 78.4466, 54.8255**, and **20.0663, 19.8028, 9.9724** is the 20% darker color. If you saturate the color by 10%, you get **40.3113, 39.3595, 19.5489**, and if you desaturate by 10%, it is **46.4252, 47.2807, 34.8631**.

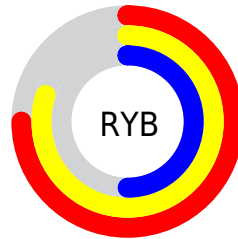
Distribution



Red (80%)

Green (67%)

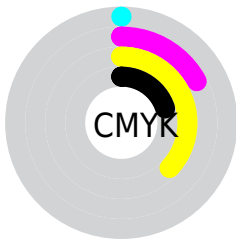
Blue (50%)



Red (75%)

Yellow (80%)

Blue (50%)

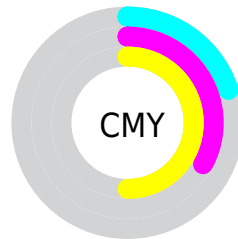


Cyan (0%)

Magenta (17%)

Yellow (37%)

Black (20%)



Cyan (20%)


Magenta (33%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.1728, 43.1453, 26.4745 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 43.1728, 43.1453, 26.4745 by changing the saturation by 10% instead.


 43.1728, 43.1453,
26.4745

 43.1728, 43.1453,
26.4745


350.2314,
359.2090, 298.7829


 30.2158, 29.9991,
16.9500

 79.2256, 79.9301,
55.0329

 20.1514, 19.8379,
10.0373

 103.0522,
104.3375, 74.9039

 12.6140, 12.2773,
5.3178


 131.2327,
133.2674, 99.0608

 7.2385, 6.9328,
2.3729

164.1325,
167.1043, 127.9221

 3.6593, 3.4201,
0.7716

202.1169,
206.2325, 161.9065

 1.5113, 1.3548,
0.0000

245.5513,

 0.3335, 0.1831,

251.0364, 201.4324

0.0000

294.8010,
301.9004, 246.9183

■ 0.0000, 0.0000,
0.0000

■ 43.1728, 43.1453,
26.4745

■ 43.1728, 43.1453,
26.4745

■ 40.3113, 39.3595,
19.5489

■ 46.4252, 47.2807,
34.8631

■ 37.8189, 35.9058,
13.9973

■ 50.0824, 51.7701,
44.7915

■ 35.6760, 32.7742,
9.7248

■ 54.1618, 56.6257,
56.3341

■ 33.8597, 29.9514,
6.6231

■ 58.6783, 61.8571,
69.5597

■ 32.3436, 27.4226,
4.5658

■ 63.6463, 67.4733,
84.5332

■ 31.0923, 25.1693,
3.3803

■ 69.0794, 73.4831,
101.3157

■ 30.7790, 24.5917,
3.1244

■ 72.3407, 78.8351,
106.0117

■ 75.0041, 84.1620,
106.8995

■ 77.8033, 89.7604,
107.8326

Harmonies

Analogous

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



47.4420, 43.1453, 31.0338



43.1728, 43.1453, 26.4745



38.6174, 43.1453, 26.6379

Triad

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



43.1728, 43.1453, 26.4745



33.1000, 43.1453, 54.3146



47.6937, 43.1453, 66.7891

Complementary

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



43.1728, 43.1453, 26.4745



32.7211, 34.7883, 62.1169

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.



43.4959, 43.1453, 75.6866



43.1728, 43.1453, 26.4745



35.1843, 43.1453, 67.6180

Square

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



43.1728, 43.1453, 26.4745



33.0277, 43.1453, 41.1446



38.9174, 43.1453, 76.0155



50.1808, 43.1453, 53.3381

Rectangle

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



43.1728, 43.1453, 26.4745



36.0324, 43.1453, 29.3660



38.9174, 43.1453, 76.0155



46.4224, 43.1453, 70.5133

Sweetspot

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



43.1739, 43.1473, 26.4754



86.9854, 90.5776, 85.5355



39.1606, 30.8919, 38.1748



18.4190, 19.1502, 17.7429



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.



43.1739, 43.1473, 26.4754



67.5069, 66.1905, 34.1258



49.3621, 57.0511, 28.8329



11.7178, 12.2245, 11.8214



19.4669, 15.6667, 1.9980



1.0793, 0.9583, 0.1281

Inverse Universe

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



32.7211, 34.7883, 62.1169



47.6646, 50.3317, 101.8105



28.1031, 24.6879, 60.4107



11.0080, 11.6564, 14.2401



9.3182, 7.6605, 36.9438



0.5561, 0.5459, 1.9310

Previews

White Background



This preview shows how the XYZ color 43.1728, 43.1453, 26.4745 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 43.1728, 43.1453, 26.4745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

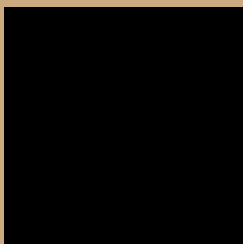
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

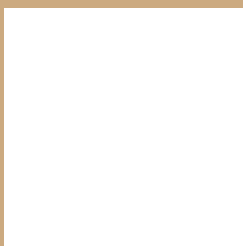
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.1728, 43.1453, 26.4745

Background



This preview shows how black text looks on a background with the XYZ color 43.1728, 43.1453, 26.4745.

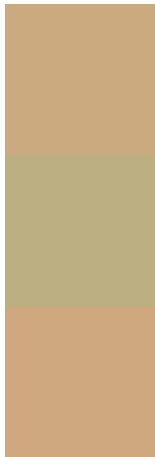


This preview shows how white text looks on a background with the XYZ color 43.1728, 43.1453,

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

43.1728, 43.1453, 26.4745

Protanopia

40.2936, 43.3537, 27.3635

Deuteranopia

43.9113, 42.9737, 26.4024



Tritanopia

47.4064, 43.2408, 46.9220

Trichromacy



Original Color

43.1728, 43.1453, 26.4745

Protanomaly

41.3466, 43.3264, 26.9525

Deuteranomaly

43.8164, 43.1998, 26.4511

Tritanomaly

45.6264, 43.0410, 38.7039

Monochromacy



Original Color

43.1728, 43.1453, 26.4745

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.3648, 42.7949, 38.4278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.1728, 43.1453, 26.4745 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(204, 170, 128)` looks like.

```
.text, #text, p{  
    color:rgb(204, 170, 128)  
}
```

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(204, 170, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 170, 128) }
```

Border

The CSS property to change the border of an element to XYZ 43.1728, 43.1453, 26.4745 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(204, 170, 128) }
```


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

```
.border{ border-color:rgb(204, 170, 128) }
```

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

Here you see how a box with a 4 pixel rgb(204, 170, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 170, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 170, 128);  
box-shadow:4px 4px 4px 4px rgb(204, 170,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 43.1728, 43.1453, 26.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 170, 128) }
```

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

```
.background{ background-color: rgb(204,  
170, 128) }
```

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