

Converting Colors

XYZ(44.8380, 41.6658, 21.0798)

Have a look what the booklet for
XYZ(44.8380, 41.6658, 21.0798)
contains.

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Color

**XYZ(44.8829, 41.7197,
21.0163)**

Conversions

Conversions Part 1

Format	Color
Hex	DBA170
RGB	219, 161, 112
RGB Percent	86%, 63%, 44%
CMY	0.1412, 0.3686, 0.5608
CMYK	0.00, 0.26, 0.49, 0.14
HSL	27°, 60%, 65%
HSV	27°, 49%, 86%
XYZ	44.8829, 41.7197, 21.0163
YIQ	172.7560, 50.2970, -2.9430

Conversions

Conversions Part 2

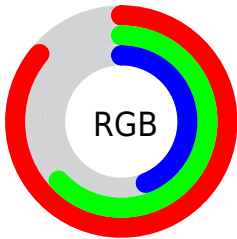
Format	Color
R_{YB}	219, 202, 112
Decimal	14393712
CIE _{Lab}	70.68, 15.75, 33.86
CIE _{LCh}	71, 37.344, 65.053
Yxy	41.7197, 0.4171, 0.3877
Android (android.graphics.Color)	4292583792 (0xFFDBA170)
YUV	172.7560, -29.9527, 40.5560
Hunter-Lab	64.5908, 11.0023, 25.9220

Details

The XYZ color **44.8829, 41.7197, 21.0163** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.8422, 37.3069, 72.4348**, and the grayscale version is **39.7269, 41.7958, 45.5156**.

A 20% lighter version of the original color is **72.4967, 73.0521, 45.4014**, and **21.0638, 18.8732, 7.2353** is the 20% darker color. If you saturate the color by 10%, you get **41.8321, 37.3379, 14.6977**, and if you desaturate by 10%, it is **48.4293, 46.6181, 28.9639**.

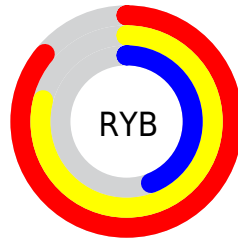
Distribution



Red (86%)

Green (63%)

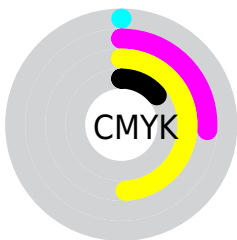
Blue (44%)



Red (86%)

Yellow (79%)

Blue (44%)

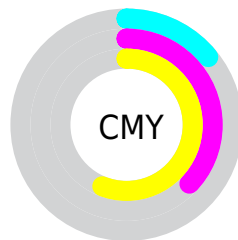


Cyan (0%)

Magenta (26%)

Yellow (49%)

Black (14%)



Cyan (14%)

Magenta (37%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8829, 41.7197, 21.0163 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 44.8829, 41.7197, 21.0163 by changing the saturation by 10% instead.

■ 44.8829, 41.7197,
21.0163

■ 44.8829, 41.7197,
21.0163

357.0908,
353.3197, 270.1490

■ 31.5661, 28.8819,
12.9446

■ 81.7828, 77.7752,
45.9958

■ 21.1842, 18.9915,
7.2601

■ 106.0966,
101.7617, 63.7406

■ 13.3720, 11.6641,
3.5444

■ 134.8068,
130.2332, 85.5469

■ 7.7639, 6.5154,
1.3789

■ 168.2787,
163.5741, 111.8332

■ 3.9948, 3.1609,
0.1252

206.8777,
202.1688, 143.0180

■ 1.6992, 1.2163,
0.0000

250.9691,

■ 0.4558, 0.0750,

246.4017, 179.5199

0.0000

300.9184,
296.6572, 221.7574

0.0000, 0.0000,
0.0000

44.8829, 41.7197,
21.0163

44.8829, 41.7197,
21.0163

41.8321, 37.3379,
14.6977

48.4293, 46.6181,
28.9639

39.2464, 33.4469,
9.8885

52.4931, 52.0452,
38.6434

37.0963, 30.0274,
6.4567


57.0983, 58.0206,
50.1521


35.3464, 27.0557,
4.2455


62.2665, 64.5604,
63.5792


33.9447, 24.5008,
3.0119

68.0179, 71.6804,
79.0081

 33.7993, 24.2321,
2.8958

 74.3717, 79.3955,
96.5171

 79.6427, 87.0387,
107.2103

 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.



50.2055, 41.7197, 28.5398



44.8829, 41.7197, 21.0163



38.6151, 41.7197, 19.2470

Triad

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



44.8829, 41.7197, 21.0163



28.9490, 41.7197, 48.4918



46.8822, 41.7197, 79.3944

Complementary

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



44.8829, 41.7197, 21.0163



33.8422, 37.3069, 72.4348

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.



40.7100, 41.7197, 88.4917



44.8829, 41.7197, 21.0163



30.6941, 41.7197, 67.9257

Square

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



44.8829, 41.7197, 21.0163



29.8196, 41.7197, 32.5232



34.8466, 41.7197, 83.8269



51.4413, 41.7197, 61.3557

Rectangle

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



44.8829, 41.7197, 21.0163



34.8282, 41.7197, 21.0324



34.8466, 41.7197, 83.8269



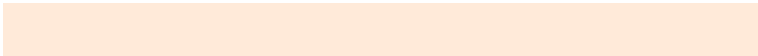
44.9047, 41.7197, 83.7865

Sweetspot

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



44.8839, 41.7217, 21.0171



83.2311, 85.2553, 77.5444



42.3441, 29.5832, 41.9317



17.4915, 17.8366, 15.7646



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.



44.8839, 41.7217, 21.0171



58.7977, 52.3327, 20.2459



56.0960, 64.1459, 24.7545



13.5449, 14.0292, 13.7196



20.1483, 14.5821, 1.7527



1.3908, 1.1157, 0.1420

Inverse Universe

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



33.8422, 37.3069, 72.4348



41.4018, 45.3538, 101.1798



25.8707, 21.3639, 69.7777



12.9205, 13.7807, 16.6311



11.5829, 11.0352, 41.2579



0.8362, 0.8865, 2.7015

Previews

White Background



This preview shows how the XYZ color 44.8829, 41.7197, 21.0163 looks on a white background.

Color Contrast Check

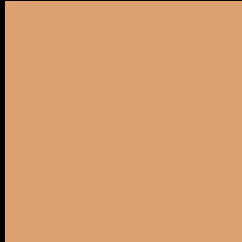
Large Text (above 18pt) WCAG AA × Fail

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 44.8829, 41.7197, 21.0163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

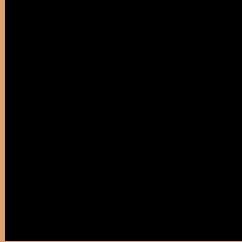
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.8829, 41.7197, 21.0163

Background



This preview shows how black text looks on a background with the XYZ color 44.8829, 41.7197, 21.0163.



This preview shows how white text looks on a background with the XYZ color 44.8829, 41.7197,

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

44.8829, 41.7197, 21.0163

Protanopia

38.8935, 41.8629, 22.8601

Deuteranopia

42.8000, 41.9754, 20.8852



Tritanopia

49.1790, 41.7117, 41.5355

Trichromacy



Original Color

44.8829, 41.7197, 21.0163

Protanomaly

40.8357, 41.7559, 22.1271

Deuteranomaly

43.5853, 41.8448, 20.8186

Tritanomaly

47.3695, 41.7189, 32.7500

Monochromacy



Original Color

44.8829, 41.7197, 21.0163

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.0091, 41.5574, 35.1381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8829, 41.7197, 21.0163 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, 161, 112)` looks like.

```
.text, #text, p{  
    color:rgb(219, 161, 112)  
}
```

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, 161, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 161, 112) }
```

Border

The CSS property to change the border of an element to XYZ 44.8829, 41.7197, 21.0163 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, 161, 112) }
```


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

```
.border{ border-color:rgb(219, 161, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 161, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 161, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 161, 112);  
box-shadow:4px 4px 4px 4px rgb(219, 161,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8829, 41.7197, 21.0163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 161, 112) }
```

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

```
.background{ background-color: rgb(219,  
161, 112) }
```

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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