

Converting Colors

XYZ(46.8713, 41.9951, 31.6221)

Have a look what the booklet for
XYZ(46.8713, 41.9951, 31.6221)
contains.

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Color

**XYZ(46.8713, 41.9951,
31.6221)**

Conversions

Conversions Part 1

Format	Color
Hex	DC9F8F
RGB	220, 159, 143
RGB Percent	86%, 62%, 56%
CMY	0.1373, 0.3764, 0.4392
CMYK	0.00, 0.28, 0.35, 0.14
HSL	12°, 52%, 71%
HSV	12°, 35%, 86%
XYZ	46.8713, 41.9951, 31.6221
YIQ	175.4150, 41.4920, 7.9560

Conversions

Conversions Part 2

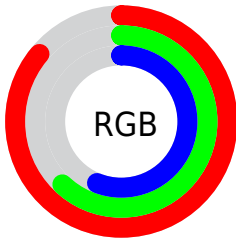
Format	Color
R _Y B	220, 163, 143
Decimal	14458767
CIE Lab	70.87, 20.60, 17.33
CIE LCh	71, 26.915, 40.068
Yxy	41.9951, 0.3890, 0.3485
Android (android.graphics.Color)	4292648847 (0xFFDC9F8F)
YUV	175.4150, -15.9806, 39.1010
Hunter-Lab	64.8036, 15.6995, 16.4309

Details

The XYZ color **46.8713, 41.9951, 31.6221** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.8381, 54.1908, 75.7542**, and the grayscale version is **41.0288, 43.1655, 47.0072**.

A 20% lighter version of the original color is **75.3646, 73.3844, 63.0158**, and **22.3377, 19.0922, 12.8638** is the 20% darker color. If you saturate the color by 10%, you get **42.5769, 35.8169, 22.7589**, and if you desaturate by 10%, it is **51.9173, 49.1531, 42.3491**.

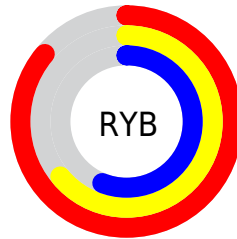
Distribution



Red (86%)

Green (62%)

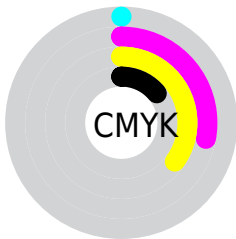
Blue (56%)



Red (86%)

Yellow (64%)

Blue (56%)

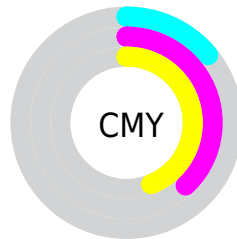


Cyan (0%)

Magenta (28%)

Yellow (35%)

Black (14%)



Cyan (14%)


Magenta (38%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8713, 41.9951, 31.6221 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 46.8713, 41.9951, 31.6221 by changing the saturation by 10% instead.


 46.8713, 41.9951,
31.6221

 46.8713, 41.9951,
31.6221


364.9581,
354.4626, 323.8337

 33.1414, 29.0975,
20.8106


 84.7414, 78.1922,
63.3092

 22.3946, 19.1546,
12.7957


 109.6123,
102.2605, 85.0219

 14.2653, 11.7820,
7.1590


138.9277,
130.8210, 111.2053

 8.3884, 6.5954,
3.4818

173.0528,
164.2583, 142.2782

 4.3983, 3.2104,
1.3456

212.3531,
202.9568, 178.6589

 1.9299, 1.2425,
0.0987

257.1938,

 0.5941, 0.0960,

247.3007, 220.7660

0.0000

307.9403,
297.6745, 269.0181

0.0000, 0.0000,
0.0000

46.8713, 41.9951,
31.6221

46.8713, 41.9951,
31.6221

42.5769, 35.8169,
22.7589

51.9173, 49.1531,
42.3491

38.9941, 30.5698,
15.6500

57.7457, 57.3250,
55.0358

36.0838, 26.2094,
10.1785

64.3898, 66.5507,
69.7744

33.8020, 22.6857,
6.2118

71.8797, 76.8662,
86.6505

32.0987, 19.9433,
3.5966

80.2441, 88.3056,
105.7451

■ 30.9155, 17.9195,
2.1460

■ 83.3253, 93.9557,
108.3513

■ 30.4816, 17.1484,
1.7034

Harmonies

Analogous

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



49.0041, 41.9951, 41.5498



46.8713, 41.9951, 31.6221



42.9219, 41.9951, 26.2453

Triad

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



46.8713, 41.9951, 31.6221



32.3576, 41.9951, 37.8262



41.4389, 41.9951, 74.5454

Complementary

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



46.8713, 41.9951, 31.6221



45.8381, 54.1908, 75.7542

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.



37.0521, 41.9951, 73.0362



46.8713, 41.9951, 31.6221



32.0257, 41.9951, 50.1720

Square

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



46.8713, 41.9951, 31.6221



34.6268, 41.9951, 29.3358



33.6836, 41.9951, 63.5001



45.7161, 41.9951, 67.3042

Rectangle

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



46.8713, 41.9951, 31.6221



39.9048, 41.9951, 25.2387



33.6836, 41.9951, 63.5001



39.9254, 41.9951, 75.0725

Sweetspot

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



46.8724, 41.9971, 31.6229



85.1040, 86.2474, 86.6573



50.3092, 39.2495, 62.4294



17.9370, 18.0732, 17.9308



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.



46.8724, 41.9971, 31.6229



60.9823, 52.2048, 34.8379



54.4170, 57.0862, 34.1378



13.2742, 13.4878, 13.6294



17.9543, 10.1942, 1.0214



1.2258, 0.7856, 0.0870

Inverse Universe

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



45.8381, 54.1908, 75.7542



59.3098, 71.6368, 105.3091



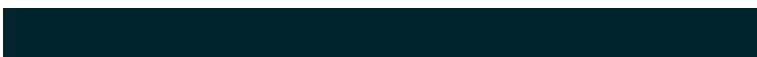
37.9008, 38.3162, 73.1085



13.2031, 14.3460, 16.7253



16.5783, 21.0261, 42.9231



1.1330, 1.4801, 2.8004

Previews

White Background



This preview shows how the XYZ color 46.8713, 41.9951, 31.6221 looks on a white background.

Color Contrast Check

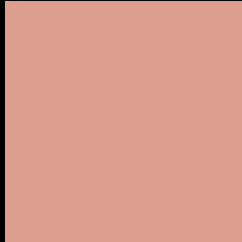
Large Text (above 18pt) WCAG AA × Fail

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 46.8713, 41.9951, 31.6221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

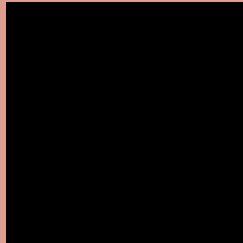
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8713, 41.9951, 31.6221

Background



This preview shows how black text looks on a background with the XYZ color 46.8713, 41.9951, 31.6221.



This preview shows how white text looks on a background with the XYZ color 46.8713, 41.9951,

31.6221.

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

46.8713, 41.9951, 31.6221

Protanopia

39.7400, 42.0342, 34.8731

Deuteranopia

42.9836, 42.1171, 31.0632



Tritanopia

48.8206, 41.7623, 42.0470

Trichromacy



Original Color

46.8713, 41.9951, 31.6221

Protanomaly

42.0340, 41.8476, 33.4657

Deuteranomaly

44.4524, 42.0592, 31.3665

Tritanomaly

47.8788, 41.6177, 37.8573

Monochromacy



Original Color

46.8713, 41.9951, 31.6221

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.2847, 42.0966, 40.5472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8713, 41.9951, 31.6221 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(220, 159, 143)` looks like.

```
.text, #text, p{  
    color:rgb(220, 159, 143)  
}
```

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(220, 159, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 159, 143) }
```

Border

The CSS property to change the border of an element to XYZ 46.8713, 41.9951, 31.6221 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(220, 159, 143) }
```


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

```
.border{ border-color:rgb(220, 159, 143) }
```

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

Here you see how a box with a 4 pixel rgb(220, 159, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 159, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 159, 143);  
box-shadow:4px 4px 4px 4px rgb(220, 159,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8713, 41.9951, 31.6221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 159, 143) }
```

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

```
.background{ background-color: rgb(220,  
159, 143) }
```

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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