

Converting Colors

XYZ(45.9220, 45.0134, 31.8507)

Have a look what the booklet for
XYZ(45.9220, 45.0134, 31.8507)
contains.

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Color

**XYZ(45.9295, 45.0134,
31.8589)**

Conversions

Conversions Part 1

Format	Color
Hex	D1AC8E
RGB	209, 172, 142
RGB Percent	82%, 67%, 56%
CMY	0.1804, 0.3255, 0.4431
CMYK	0.00, 0.18, 0.32, 0.18
HSL	27°, 42%, 69%
HSV	27°, 32%, 82%
XYZ	45.9295, 45.0134, 31.8589
YIQ	179.6430, 31.6820, -1.4860

Conversions

Conversions Part 2

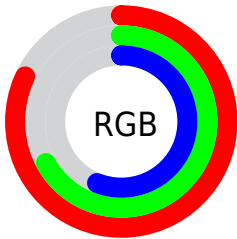
Format	Color
R_{YB}	209, 196, 142
Decimal	13741198
CIE _{Lab}	72.90, 9.17, 20.50
CIE _{LCh}	73, 22.458, 65.901
Yxy	45.0134, 0.3740, 0.3666
Android (android.graphics.Color)	4291931278 (0xFFD1AC8E)
YUV	179.6430, -18.5580, 25.7461
Hunter-Lab	67.0920, 4.7855, 18.8103

Details

The XYZ color **45.9295, 45.0134, 31.8589** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.7835, 42.5930, 66.4988**, and the grayscale version is **43.2764, 45.5302, 49.5824**.

A 20% lighter version of the original color is **78.6729, 80.1837, 63.5550**, and **21.7851, 20.9780, 13.0262** is the 20% darker color. If you saturate the color by 10%, you get **42.4035, 40.2415, 23.6543**, and if you desaturate by 10%, it is **49.9428, 50.2887, 41.6785**.

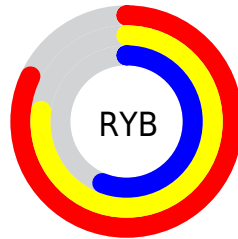
Distribution



Red (82%)

Green (67%)

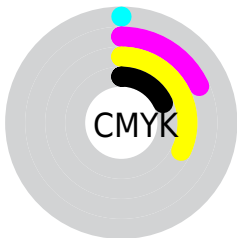
Blue (56%)



Red (82%)

Yellow (77%)

Blue (56%)

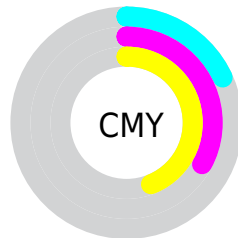


Cyan (0%)

Magenta (18%)

Yellow (32%)

Black (18%)



Cyan (18%)


Magenta (33%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9295, 45.0134, 31.8589 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 45.9295, 45.0134, 31.8589 by changing the saturation by 10% instead.


 45.9295, 45.0134,
31.8589


 45.9295, 45.0134,
31.8589


361.2458,
366.8278, 324.9489


 32.3946, 31.4680,
20.9898


 83.3420, 82.7405,
63.6852

 21.8201, 20.9555,
12.9254

 107.9503,
107.6910, 85.4794

 13.8406, 13.0915,
7.2471


 136.9804,
137.2120, 111.7525

 8.0908, 7.4916,
3.5363

170.7977,
171.6878, 142.9229

 4.2054, 3.7714,
1.3746

209.7675,
211.5029, 179.4092

 1.8190, 1.5465,
0.1218

254.2552,

 0.5291, 0.3211,

257.0417, 221.6300

0.0000

304.6262,
308.6885, 270.0037

■ 0.0000, 0.0000,
0.0000

■ 45.9295, 45.0134,
31.8589

■ 45.9295, 45.0134,
31.8589

■ 42.4035, 40.2415,
23.6543

■ 49.9428, 50.2887,
41.6785

■ 39.3401, 35.9504,
16.9735

■ 54.4598, 56.0765,
53.1919

■ 36.7172, 32.1251,
11.7204

■ 59.5004, 62.3936,
66.4760

■ 34.5094, 28.7468,
7.7866

■ 65.0820, 69.2538,
81.6023

■ 32.6880, 25.7953,
5.0480

■ 71.2215, 76.6707,
98.6380

■ 31.2193, 23.2481,
3.3560

■ 75.8731, 83.8325,
106.7901

■ 30.2614, 21.4892,
2.5529

■ 79.4028, 90.8920,
107.9667

■ 80.1045, 92.2953,
108.2006

Harmonies

Analogous

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



49.1712, 45.0134, 37.4332



45.9295, 45.0134, 31.8589



42.0151, 45.0134, 30.5538

Triad

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



45.9295, 45.0134, 31.8589



35.7290, 45.0134, 51.2604



47.3483, 45.0134, 68.6163

Complementary

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



45.9295, 45.0134, 31.8589



38.7835, 42.5930, 66.4988

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.



43.5620, 45.0134, 73.7166



45.9295, 45.0134, 31.8589



36.9752, 45.0134, 62.7615

Square

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



45.9295, 45.0134, 31.8589



36.2779, 45.0134, 40.7311



39.7853, 45.0134, 71.4257



50.0247, 45.0134, 58.3453

Rectangle

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



45.9295, 45.0134, 31.8589



39.5813, 45.0134, 32.0743



39.7853, 45.0134, 71.4257



46.1547, 45.0134, 71.0582

Sweetspot

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



45.9307, 45.0155, 31.8598



86.8843, 89.8082, 87.2507



44.2026, 36.1957, 47.8193



18.3658, 18.9308, 18.0737



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.



45.9307, 45.0155, 31.8598



68.4224, 65.7364, 41.4751



52.8970, 58.9481, 34.1819



12.2384, 12.6674, 12.4121



18.7536, 13.4403, 1.6058



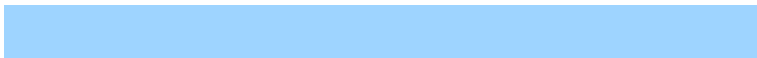
1.1272, 0.9088, 0.1160

Inverse Universe

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



38.7835, 42.5930, 66.4988



55.6151, 61.3891, 103.5258



33.0154, 31.0567, 64.5761



11.6971, 12.4844, 15.0369



11.0041, 10.6548, 38.6691



0.6939, 0.7529, 2.1883

Previews

White Background



This preview shows how the XYZ color 45.9295, 45.0134, 31.8589 looks on a white background.

Color Contrast Check

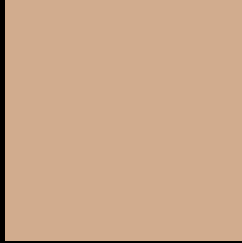
Large Text (above 18pt) WCAG AA × Fail

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 45.9295, 45.0134, 31.8589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

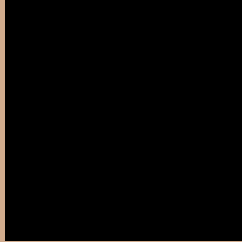
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9295, 45.0134, 31.8589

Background



This preview shows how black text looks on a background with the XYZ color 45.9295, 45.0134, 31.8589.



This preview shows how white text looks on a background with the XYZ color 45.9295, 45.0134,

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

45.9295, 45.0134, 31.8589

Protanopia

42.4661, 45.2317, 33.2804

Deuteranopia

45.9295, 45.0134, 31.8589



Tritanopia

49.4975, 45.0789, 49.2723

Trichromacy



Original Color

45.9295, 45.0134, 31.8589

Protanomaly

43.5853, 44.9346, 32.7616

Deuteranomaly

45.9295, 45.0134, 31.8589

Tritanomaly

48.2223, 45.1262, 42.2450

Monochromacy



Original Color

45.9295, 45.0134, 31.8589

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.0909, 45.2738, 42.4913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9295, 45.0134, 31.8589 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(209, 172, 142)` looks like.

```
.text, #text, p{  
    color:rgb(209, 172, 142)  
}
```

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(209, 172, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 172, 142) }
```

Border

The CSS property to change the border of an element to XYZ 45.9295, 45.0134, 31.8589 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(209, 172, 142) }
```


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

```
.border{ border-color:rgb(209, 172, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 172, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 172, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 172, 142);  
box-shadow:4px 4px 4px 4px rgb(209, 172,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9295, 45.0134, 31.8589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 172, 142) }
```

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

```
.background{ background-color: rgb(209,  
172, 142) }
```

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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