

Converting Colors

XYZ(50.9454, 49.0001, 29.2002)

Have a look what the booklet for
XYZ(50.9454, 49.0001, 29.2002)
contains.

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Color

**XYZ(51.0766, 49.1731,
29.3536)**

Conversions

Conversions Part 1

Format	Color
Hex	E1B186
RGB	225, 177, 134
RGB Percent	88%, 69%, 53%
CMY	0.1176, 0.3059, 0.4745
CMYK	0.00, 0.21, 0.40, 0.12
HSL	28°, 60%, 70%
HSV	28°, 40%, 88%
XYZ	51.0766, 49.1731, 29.3536
YIQ	186.4500, 42.4110, -3.1970

Conversions

Conversions Part 2

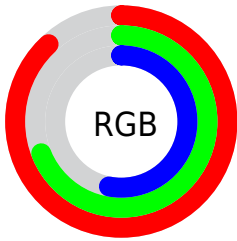
Format	Color
R _Y B	225, 216, 134
Decimal	14791046
CIE Lab	75.56, 11.85, 28.66
CIE LCh	76, 31.014, 67.531
Yxy	49.1731, 0.3941, 0.3794
Android (android.graphics.Color)	4292981126 (0xFFE1B186)
YUV	186.4500, -25.8578, 33.8084
Hunter-Lab	70.1235, 7.2997, 24.2678

Details

The XYZ color **51.0766, 49.1731, 29.3536** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.1495, 43.9589, 77.6030**, and the grayscale version is **47.0497, 49.4999, 53.9054**.

A 20% lighter version of the original color is **79.4560, 83.1687, 59.4423**, and **24.9563, 23.3802, 11.5850** is the 20% darker color. If you saturate the color by 10%, you get **47.4285, 44.1268, 21.2017**, and if you desaturate by 10%, it is **55.2649, 54.7654, 39.3337**.

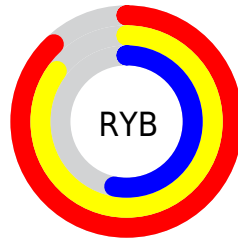
Distribution



Red (88%)

Green (69%)

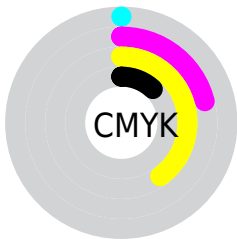
Blue (53%)



Red (88%)

Yellow (85%)

Blue (53%)

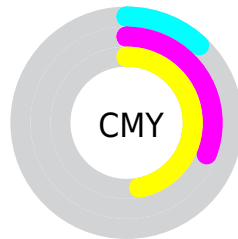


Cyan (0%)

Magenta (21%)

Yellow (40%)

Black (12%)



Cyan (12%)


Magenta (31%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0766, 49.1731, 29.3536 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 51.0766, 49.1731, 29.3536 by changing the saturation by 10% instead.


 51.0766, 49.1731,
29.3536

 51.0766, 49.1731,
29.3536


381.2441,
383.4234, 312.9927


 36.4909, 34.7568,
19.1006


 90.9503, 88.9485,
59.6873

 24.9854, 23.4756,
11.5654


 116.9690,
115.0764, 80.6051

 16.1949, 14.9451,
6.3296

 147.5294,
145.8769, 105.9148

 9.7539, 8.7809,
2.9745

182.9968,
181.7345, 136.0352

 5.2971, 4.5985,
1.0816

223.7366,
223.0336, 171.3846

 2.4591, 2.0137,
0.0000

270.1142,

 0.8747, 0.6154,

270.1585, 212.3816

0.0000

322.4949,
323.4936, 259.4448

■ 0.0000, 0.0000,
0.0000

■ 51.0766, 49.1731,
29.3536

■ 51.0766, 49.1731,
29.3536

■ 47.4285, 44.1268,
21.2017

■ 55.2649, 54.7654,
39.3337

■ 44.2904, 39.6005,
14.7609

■ 60.0142, 60.9143,
51.2433

■ 41.6343, 35.5763,
9.9047

■ 65.3485, 67.6391,
65.1797

■ 39.4273, 32.0321,
6.4878

■ 71.2892, 74.9556,
81.2328

■ 37.6312, 28.9432,
4.3373

■ 77.8566, 82.8793,
99.4869

■ 36.2396, 26.3840,
3.1826

■ 82.7325, 90.4899,
107.7136

■ 84.8613, 94.7476,
108.4232

Harmonies

Analogous

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



56.0317, 49.1731, 36.5260



51.0766, 49.1731, 29.3536



45.3083, 49.1731, 27.9540

Triad

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



51.0766, 49.1731, 29.3536



36.6427, 49.1731, 57.7843



53.7766, 49.1731, 82.6685

Complementary

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



51.0766, 49.1731, 29.3536



40.1495, 43.9589, 77.6030

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.



48.1966, 49.1731, 91.3152



51.0766, 49.1731, 29.3536



38.5326, 49.1731, 75.1579

Square

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



51.0766, 49.1731, 29.3536



37.2768, 49.1731, 42.3633



42.6515, 49.1731, 88.3173



57.6772, 49.1731, 66.5303

Rectangle

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



51.0766, 49.1731, 29.3536



41.8272, 49.1731, 30.1496



42.6515, 49.1731, 88.3173



52.0180, 49.1731, 86.6833

Sweetspot

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



51.0778, 49.1754, 29.3546



85.5747, 88.3152, 83.3420



48.0755, 36.4577, 49.0491



18.1110, 18.6457, 17.2966



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.



51.0778, 49.1754, 29.3546



63.4916, 59.3109, 29.2385



61.4670, 69.9537, 32.8176



14.2387, 14.7634, 14.4059



20.9980, 15.4339, 1.8723



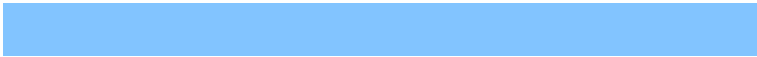
1.5446, 1.2481, 0.1595

Inverse Universe

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



40.1495, 43.9589, 77.6030



46.9924, 51.4275, 102.0575



32.3730, 28.4060, 75.0108



13.5474, 14.4339, 17.4597



11.7283, 10.9261, 42.5392



0.9024, 0.9363, 2.9784

Previews

White Background



This preview shows how the XYZ color 51.0766, 49.1731, 29.3536 looks on a white background.

Color Contrast Check

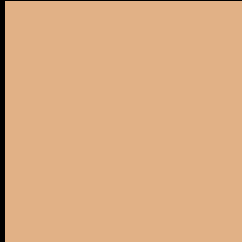
Large Text (above 18pt) WCAG AA × Fail

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 51.0766, 49.1731, 29.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

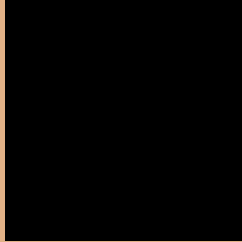
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0766, 49.1731, 29.3536

Background



This preview shows how black text looks on a background with the XYZ color 51.0766, 49.1731, 29.3536.



This preview shows how white text looks on a background with the XYZ color 51.0766, 49.1731,

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

51.0766, 49.1731, 29.3536

Protanopia

45.9658, 49.2321, 31.1249

Deuteranopia

50.2420, 49.3336, 29.4286



Tritanopia

55.6596, 49.0331, 51.8782

Trichromacy



Original Color

51.0766, 49.1731, 29.3536

Protanomaly

47.7433, 49.2284, 30.6526

Deuteranomaly

50.3477, 49.0916, 29.3763

Tritanomaly

53.8214, 49.1343, 42.7236

Monochromacy



Original Color

51.0766, 49.1731, 29.3536

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.7280, 48.9364, 43.4893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0766, 49.1731, 29.3536 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(225, 177, 134)` looks like.

```
.text, #text, p{  
    color:rgb(225, 177, 134)  
}
```

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(225, 177, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 177, 134) }
```

Border

The CSS property to change the border of an element to XYZ 51.0766, 49.1731, 29.3536 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(225, 177, 134) }
```


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

```
.border{ border-color:rgb(225, 177, 134) }
```

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

Here you see how a box with a 4 pixel rgb(225, 177, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 177, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 177, 134);  
box-shadow:4px 4px 4px 4px rgb(225, 177,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0766, 49.1731, 29.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 177, 134) }
```

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

```
.background{ background-color: rgb(225,  
177, 134) }
```

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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