

Converting Colors

XYZ(49.3195, 50.1609, 30.7795)

Have a look what the booklet for
XYZ(49.3195, 50.1609, 30.7795)
contains.

XYZ(49.1804, 49.9693, 30.7199)	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(49.1804, 49.9693,
30.7199)**

Conversions

Conversions Part 1

Format	Color
Hex	D6B789
RGB	214, 183, 137
RGB Percent	84%, 72%, 54%
CMY	0.1608, 0.2823, 0.4627
CMYK	0.00, 0.14, 0.36, 0.16
HSL	36°, 48%, 69%
HSV	36°, 36%, 84%
XYZ	49.1804, 49.9693, 30.7199
YIQ	187.0250, 33.2420, -7.7340

Conversions

Conversions Part 2

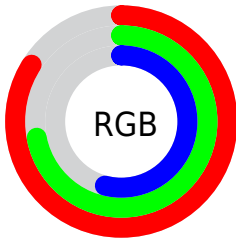
Format	Color
R_{YB}	189, 214, 137
Decimal	14071689
CIE _{Lab}	76.05, 4.64, 27.53
CIE _{LCh}	76, 27.921, 80.433
Yxy	49.9693, 0.3787, 0.3848
Android (android.graphics.Color)	4292261769 (0xFFD6B789)
YUV	187.0250, -24.6623, 23.6571
Hunter-Lab	70.6890, 0.4820, 23.7161

Details

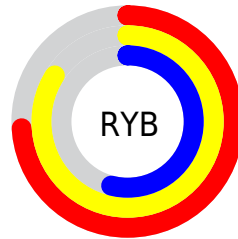
The XYZ color **49.1804, 49.9693, 30.7199** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **36.4563, 38.1774, 69.0658**, and the grayscale version is **47.3709, 49.8379, 54.2735**.

A 20% lighter version of the original color is **81.5105, 86.7546, 61.7395**, and **23.8035, 23.9225, 12.3797** is the 20% darker color. If you saturate the color by 10%, you get **46.0726, 45.9714, 22.8469**, and if you desaturate by 10%, it is **52.7040, 54.3111, 40.2347**.

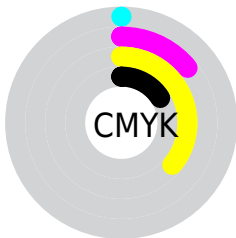
Distribution



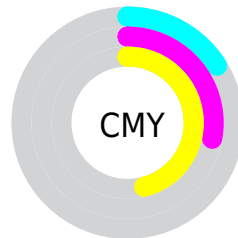
- Red (84%)
- Green (72%)
- Blue (54%)



- Red (74%)
- Yellow (84%)
- Blue (54%)



- Cyan (0%)
- Magenta (14%)
- Yellow (36%)
- Black (16%)



- Cyan (16%)
- Magenta (28%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1804, 49.9693, 30.7199 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 49.1804, 49.9693, 30.7199 by changing the saturation by 10% instead.

■ 49.1804, 49.9693,
30.7199

■ 49.1804, 49.9693,
30.7199

373.9573,
386.5459, 319.5570

■ 34.9777, 35.3890,
20.1290

■ 88.1584, 90.1294,
61.8732

■ 23.8122, 23.9627,
12.3038

■ 113.6645,
116.4780, 83.2727

■ 15.3183, 15.3059,
6.8259

■ 143.6691,
147.5181, 109.1121

■ 9.1309, 9.0344,
3.2767

178.5376,
183.6342, 139.8100

■ 4.8844, 4.7636,
1.2376

218.6353,
225.2106, 175.7848

■ 2.2137, 2.1092,
0.0098

264.3276,

■ 0.7499, 0.6698,

272.6318, 217.4553

0.0000

315.9798,
326.2821, 265.2398

■ 0.0000, 0.0000,
0.0000

■ 49.1804, 49.9693,
30.7199

■ 49.1804, 49.9693,
30.7199

■ 46.0726, 45.9714,
22.8469

■ 52.7040, 54.3111,
40.2347

■ 43.3567, 42.2994,
16.5167

■ 56.6581, 59.0004,
51.4762

■ 41.0121, 38.9437,
11.6242


■ 61.0612, 64.0492,
64.5273

■ 39.0142, 35.8911,
8.0500


■ 65.9294, 69.4668,
79.4645

■ 37.3344, 33.1269,
5.6548


■ 71.2781, 75.2623,
96.3597


 35.9381, 30.6338,
4.2658

 75.4014, 80.7559,
106.2211

 35.4322, 29.6974,
3.8647

 77.9235, 85.8001,
107.0618

 80.5666, 91.0862,
107.9428

 81.5415, 93.0361,
108.2678

Harmonies

Analogous

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



54.1718, 49.9693, 35.1381



49.1804, 49.9693, 30.7199



44.0792, 49.9693, 31.6913

Triad

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



49.1804, 49.9693, 30.7199



38.7044, 49.9693, 65.0613



55.6506, 49.9693, 74.8261

Complementary

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



49.1804, 49.9693, 30.7199



36.4563, 38.1774, 69.0658

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.



51.0814, 49.9693, 85.9973



49.1804, 49.9693, 30.7199



41.3894, 49.9693, 79.6824

Square

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



49.1804, 49.9693, 30.7199



38.2772, 49.9693, 49.7735



45.8472, 49.9693, 87.9211



58.0836, 49.9693, 59.3218

Rectangle

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



49.1804, 49.9693, 30.7199



41.2837, 49.9693, 35.3468



45.8472, 49.9693, 87.9211



54.2985, 49.9693, 79.3234

Sweetspot

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



49.1817, 49.9716, 30.7209



87.3614, 91.3296, 85.6608



43.8468, 35.0557, 42.0331



18.5087, 19.3295, 17.7727



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.



49.1817, 49.9716, 30.7209



69.6379, 69.8353, 36.7390



54.4575, 63.2489, 33.0056



13.0340, 13.6423, 13.1070



21.5209, 18.1590, 2.3708



1.3782, 1.2556, 0.1697

Inverse Universe

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



36.4563, 38.1774, 69.0658



48.0915, 49.8770, 101.7003



32.4838, 28.6239, 67.4312



12.1488, 12.8211, 15.7719



9.4506, 7.1629, 39.3376



0.6500, 0.5920, 2.3993

Previews

White Background



This preview shows how the XYZ color 49.1804, 49.9693, 30.7199 looks on a white background.

Color Contrast Check

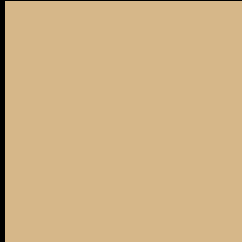
Large Text (above 18pt) WCAG AA × Fail

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 49.1804, 49.9693, 30.7199 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 49.1804, 49.9693, 30.7199

Background



This preview shows how black text looks on a background with the XYZ color 49.1804, 49.9693, 30.7199.



This preview shows how white text looks on a background with the XYZ color 49.1804, 49.9693,

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

49.1804, 49.9693, 30.7199

Protanopia

46.5179, 49.8222, 31.5910

Deuteranopia

51.0329, 50.0071, 31.0074



Tritanopia

54.3348, 49.9840, 55.4993

Trichromacy



Original Color

49.1804, 49.9693, 30.7199

Protanomaly

47.5999, 50.0746, 31.2013

Deuteranomaly

50.3247, 49.9428, 31.0323

Tritanomaly

52.3842, 50.0859, 45.4347

Monochromacy



Original Color

49.1804, 49.9693, 30.7199

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.7463, 49.8527, 44.6422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1804, 49.9693, 30.7199 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(214, 183, 137)` looks like.

```
.text, #text, p{  
    color:rgb(214, 183, 137)  
}
```

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(214, 183, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 183, 137) }
```

Border

The CSS property to change the border of an element to XYZ 49.1804, 49.9693, 30.7199 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(214, 183, 137) }
```


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

```
.border{ border-color:rgb(214, 183, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 183, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 183, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 183, 137);  
box-shadow:4px 4px 4px 4px rgb(214, 183,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1804, 49.9693, 30.7199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 183, 137) }
```

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

```
.background{ background-color: rgb(214,  
183, 137) }
```

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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