

Converting Colors

XYZ(50.3237, 49.0379, 31.4985)

Have a look what the booklet for
XYZ(50.3237, 49.0379, 31.4985)
contains.

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Color

**XYZ(50.4728, 49.1064,
31.6292)**

Conversions

Conversions Part 1

Format	Color
Hex	DDB28C
RGB	221, 178, 140
RGB Percent	87%, 70%, 55%
CMY	0.1333, 0.3019, 0.4510
CMYK	0.00, 0.19, 0.37, 0.13
HSL	28°, 54%, 71%
HSV	28°, 37%, 87%
XYZ	50.4728, 49.1064, 31.6292
YIQ	186.5250, 37.8260, -2.7020

Conversions

Conversions Part 2

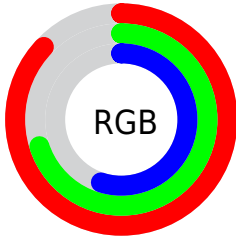
Format	Color
R _Y B	221, 212, 140
Decimal	14529164
CIE Lab	75.52, 10.42, 25.33
CIE LCh	76, 27.393, 67.634
Yxy	49.1064, 0.3847, 0.3743
Android (android.graphics.Color)	4292719244 (0xFFDDB28C)
YUV	186.5250, -22.9368, 30.2346
Hunter-Lab	70.0760, 5.9332, 22.2923

Details

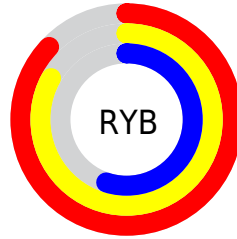
The XYZ color **50.4728, 49.1064, 31.6292** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **40.7992, 44.6613, 74.8767**, and the grayscale version is **47.0777, 49.5294, 53.9376**.

A 20% lighter version of the original color is **80.4004, 84.0007, 63.0151**, and **24.4889, 23.2979, 12.8791** is the 20% darker color. If you saturate the color by 10%, you get **46.7692, 44.0503, 23.1464**, and if you desaturate by 10%, it is **54.7058, 54.6972, 41.9041**.

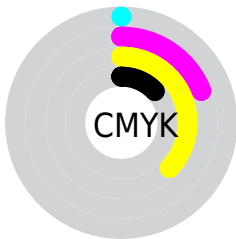
Distribution



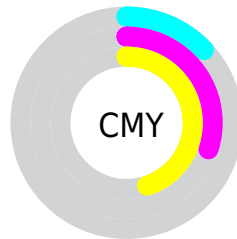
- Red (87%)
- Green (70%)
- Blue (55%)



- Red (87%)
- Yellow (83%)
- Blue (55%)



- Cyan (0%)
- Magenta (19%)
- Yellow (37%)
- Black (13%)





- Cyan (13%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4728, 49.1064, 31.6292 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 50.4728, 49.1064, 31.6292 by changing the saturation by 10% instead.


 50.4728, 49.1064,
31.6292


 50.4728, 49.1064,
31.6292


378.9335,
383.1610, 323.8672


 36.0085, 34.7039,
20.8160


 90.0626, 88.8495,
63.3205

 24.6109, 23.4349,
12.7996


 115.9189,
114.9588, 85.0356

 15.9146, 14.9149,
7.1616


 146.3033,
145.7392, 111.2218

 9.5542, 8.7597,
3.4834

181.5811,
181.5751, 142.2975

 5.1644, 4.5848,
1.3464

222.1176,
222.8508, 178.6814

 2.3798, 2.0058,
0.0994

268.2783,

 0.8350, 0.6108,

269.9508, 220.7919

0.0000

320.4285,
323.2594, 269.0477

■ 0.0000, 0.0000,
0.0000

■ 50.4728, 49.1064,
31.6292

■ 50.4728, 49.1064,
31.6292

■ 46.7692, 44.0503,
23.1464

■ 54.7058, 54.6972,
41.9041

■ 43.5666, 39.5043,
16.3474

■ 59.4874, 60.8328,
54.0648

■ 40.8393, 35.4515,
11.1163

■ 64.8401, 67.5312,
68.2021

■ 38.5571, 31.8713,
7.3216

■ 70.7841, 74.8078,
84.4000

■ 36.6856, 28.7409,
4.8092

■ 77.3386, 82.6772,
102.7374

■ 35.1820, 26.0338,
3.3833

■ 81.5563, 89.9672,
107.6747

■ 34.7382, 25.2110,
3.0353

■ 83.6288, 94.1121,
108.3655

Harmonies

Analogous

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



54.8057, 49.1064, 38.2033



50.4728, 49.1064, 31.6292



45.3943, 49.1064, 30.3447

Triad

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



50.4728, 49.1064, 31.6292



37.6849, 49.1064, 57.2539



52.8668, 49.1064, 78.6926

Complementary

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



50.4728, 49.1064, 31.6292



40.7992, 44.6613, 74.8767

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.



47.9778, 49.1064, 86.0907



50.4728, 49.1064, 31.6292



39.3895, 49.1064, 72.3388

Square

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



50.4728, 49.1064, 31.6292



38.2472, 49.1064, 43.5566



43.0711, 49.1064, 83.5768



56.2560, 49.1064, 64.7805

Rectangle

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



50.4728, 49.1064, 31.6292



42.3079, 49.1064, 32.3976



43.0711, 49.1064, 83.5768



51.3310, 49.1064, 82.1283

Sweetspot

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



50.4740, 49.1087, 31.6302



86.2910, 89.1888, 85.3040



47.7652, 37.5560, 49.6409



18.2536, 18.8194, 17.6877



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.



50.4740, 49.1087, 31.6302



65.7975, 62.4665, 34.4966



59.7018, 67.5642, 34.7061



13.5572, 14.0538, 13.7237



20.2913, 14.8682, 1.8004



1.4003, 1.1348, 0.1452

Inverse Universe

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



40.7992, 44.6613, 74.8767



50.5473, 55.4502, 102.6466



33.6443, 30.3514, 72.4917



12.9080, 13.7558, 16.6269



11.4123, 10.6941, 41.2011



0.8254, 0.8648, 2.6979

Previews

White Background



This preview shows how the XYZ color 50.4728, 49.1064, 31.6292 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 50.4728, 49.1064, 31.6292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

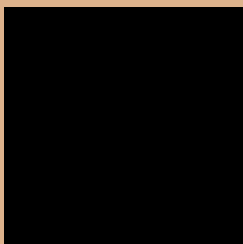
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4728, 49.1064, 31.6292

Background



This preview shows how black text looks on a background with the XYZ color 50.4728, 49.1064, 31.6292.



This preview shows how white text looks on a background with the XYZ color 50.4728, 49.1064,

31.6292.

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

50.4728, 49.1064, 31.6292

Protanopia

46.1461, 49.2735, 33.4641

Deuteranopia

50.3689, 49.3493, 31.6816



Tritanopia

54.8735, 49.1766, 52.4988

Trichromacy



Original Color

50.4728, 49.1064, 31.6292

Protanomaly

47.6235, 49.1155, 32.9568

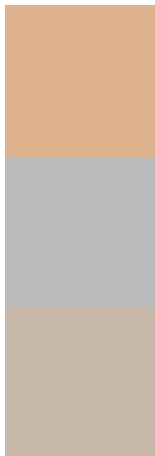
Deuteranomaly

50.3689, 49.3493, 31.6816

Tritanomaly

53.0380, 48.9840, 44.1956

Monochromacy



Original Color

50.4728, 49.1064, 31.6292

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.9494, 49.3254, 45.0238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4728, 49.1064, 31.6292 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(221, 178, 140)` looks like.

```
.text, #text, p{  
    color:rgb(221, 178, 140)  
}
```

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(221, 178, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 178, 140) }
```

Border

The CSS property to change the border of an element to XYZ 50.4728, 49.1064, 31.6292 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(221, 178, 140) }
```


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

```
.border{ border-color:rgb(221, 178, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 178, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 178, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 178, 140); box-shadow:4px 4px 4px 4px rgb(221, 178, 140) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4728, 49.1064, 31.6292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 178, 140) }
```

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

```
.background{ background-color: rgb(221,  
178, 140) }
```

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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