

Converting Colors

XYZ(49.5942, 49.4403, 29.4830)

Have a look what the booklet for
XYZ(49.5942, 49.4403, 29.4830)
contains.

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Color

**XYZ(49.5378, 49.2692,
29.4532)**

Conversions

Conversions Part 1

Format	Color
Hex	DAB486
RGB	218, 180, 134
RGB Percent	85%, 71%, 53%
CMY	0.1451, 0.2941, 0.4745
CMYK	0.00, 0.17, 0.39, 0.15
HSL	33°, 53%, 69%
HSV	33°, 39%, 85%
XYZ	49.5378, 49.2692, 29.4532
YIQ	186.1180, 37.4140, -6.2500

Conversions

Conversions Part 2

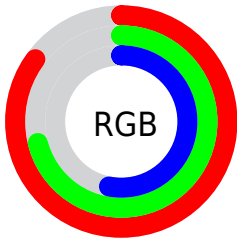
Format	Color
RYB	203, 218, 134
Decimal	14333062
CIELab	75.62, 7.47, 28.62
CIELCh	76, 29.576, 75.366
Yxy	49.2692, 0.3862, 0.3841
Android (android.graphics.Color)	4292523142 (0xFFDAB486)
YUV	186.1180, -25.6942, 27.9605
Hunter-Lab	70.1920, 3.1398, 24.2558

Details

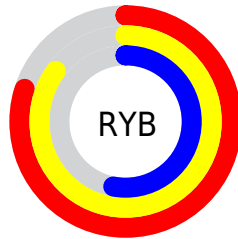
The XYZ color **49.5378, 49.2692, 29.4532** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.2384, 39.6339, 72.0171**, and the grayscale version is **46.8641, 49.3047, 53.6928**.

A 20% lighter version of the original color is **80.3126, 84.8817, 59.7278**, and **24.0899, 23.5002, 11.6538** is the 20% darker color. If you saturate the color by 10%, you get **46.2513, 44.8836, 21.6139**, and if you desaturate by 10%, it is **53.2819, 54.0680, 38.9924**.

Distribution



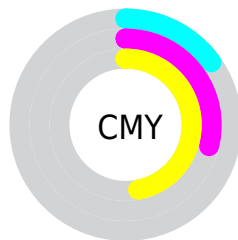
- Red (85%)
- Green (71%)
- Blue (53%)



- Red (80%)
- Yellow (85%)
- Blue (53%)



- Cyan (0%)
- Magenta (17%)
- Yellow (39%)
- Black (15%)





- Cyan (15%)
- Magenta (29%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5378, 49.2692, 29.4532 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 49.5378, 49.2692, 29.4532 by changing the saturation by 10% instead.


 49.5378, 49.2692,
29.4532

 49.5378, 49.2692,
29.4532


375.3376,
383.8011, 313.4749


 35.2626, 34.8331,
19.1754

 88.6856, 89.0911,
59.8471

 24.0327, 23.5343,
11.6190


 114.2889,
115.2458, 80.8003

 15.4827, 14.9885,
6.3654


 144.3989,
146.0753, 106.1491

 9.2474, 8.8113,
2.9962

179.3811,
181.9642, 136.3119

 4.9613, 4.6183,
1.0927

219.6007,
223.2968, 171.7073

 2.2591, 2.0251,
0.0000

265.4230,

 0.7736, 0.6220,

270.4576, 212.7540

0.0000

317.2136,
323.8309, 259.8703

■ 0.0000, 0.0000,
0.0000

■ 49.5378, 49.2692,
29.4532

■ 49.5378, 49.2692,
29.4532

■ 46.2513, 44.8836,
21.6139

■ 53.2819, 54.0680,
38.9924

■ 43.3962, 40.8908,
15.3682

■ 57.5005, 59.2860,
50.3228

■ 40.9494, 37.2784,
10.6028

■ 62.2138, 64.9374,
63.5328

■ 38.8831, 34.0302,
7.1875

■ 67.4401, 71.0338,
78.7040

■ 37.1653, 31.1284,
4.9694

■ 73.1962, 77.5863,
95.9131

■ 35.7492, 28.5488,
3.7182

■ 77.8796, 83.9577,
106.7085

■ 35.5572, 28.1930,
3.5677

■ 80.8484, 89.8954,
107.6981

■ 82.7235, 93.6454,
108.3231

Harmonies

Analogous

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



54.6170, 49.2692, 34.9331



49.5378, 49.2692, 29.4532



44.0959, 49.2692, 29.5200

Triad

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



49.5378, 49.2692, 29.4532



37.3984, 49.2692, 62.0330



54.7222, 49.2692, 77.7238

Complementary

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



49.5378, 49.2692, 29.4532



37.2384, 39.6339, 72.0171

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.



49.6726, 49.2692, 88.2632



49.5378, 49.2692, 29.4532



39.8188, 49.2692, 78.0724

Square

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



49.5378, 49.2692, 29.4532



37.3685, 49.2692, 46.3871



44.2206, 49.2692, 88.4020



57.7647, 49.2692, 61.6247

Rectangle

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



49.5378, 49.2692, 29.4532



40.9993, 49.2692, 32.6340



44.2206, 49.2692, 88.4020



53.1865, 49.2692, 82.1614

Sweetspot

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



49.5390, 49.2715, 29.4542



86.2512, 89.6683, 83.5675



45.0011, 34.9810, 44.0173



18.2702, 18.9640, 17.3496



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.



49.5390, 49.2715, 29.4542



66.9128, 65.3004, 33.0086



57.4577, 66.3415, 32.3317



13.6441, 14.2276, 13.7527



21.4114, 17.1084, 2.1738



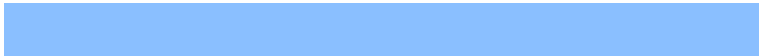
1.4728, 1.2797, 0.1694

Inverse Universe

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



37.2384, 39.6339, 72.0171



47.0596, 49.7536, 101.7308



31.4642, 27.4142, 69.9628



12.8213, 13.5824, 16.5980



10.3368, 8.5431, 40.8426



0.7550, 0.7241, 2.6744

Previews

White Background



This preview shows how the XYZ color 49.5378, 49.2692, 29.4532 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 49.5378, 49.2692, 29.4532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

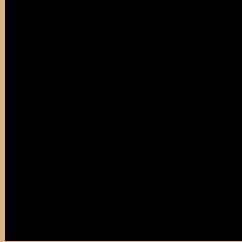
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5378, 49.2692, 29.4532

Background



This preview shows how black text looks on a background with the XYZ color 49.5378, 49.2692, 29.4532.



This preview shows how white text looks on a background with the XYZ color 49.5378, 49.2692,

29.4532.

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

49.5378, 49.2692, 29.4532

Protanopia

45.8937, 49.2033, 30.7452

Deuteranopia

50.2420, 49.3336, 29.4286



Tritanopia

54.2379, 49.1203, 53.0769

Trichromacy



Original Color

49.5378, 49.2692, 29.4532

Protanomaly

47.3166, 49.3240, 30.3192

Deuteranomaly

49.9384, 49.1771, 29.4143

Tritanomaly

52.3192, 49.2128, 43.3007

Monochromacy



Original Color

49.5378, 49.2692, 29.4532

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4042, 49.0768, 43.5335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5378, 49.2692, 29.4532 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(218, 180, 134)` looks like.

```
.text, #text, p{  
    color:rgb(218, 180, 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(218, 180, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 180, 134) }
```

Border

The CSS property to change the border of an element to XYZ 49.5378, 49.2692, 29.4532 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(218, 180, 134) }
```


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

```
.border{ border-color:rgb(218, 180, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 180, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 180, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 180, 134);  
box-shadow:4px 4px 4px 4px rgb(218, 180,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5378, 49.2692, 29.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 180, 134) }
```

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

```
.background{ background-color: rgb(218,  
180, 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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