

Converting Colors

XYZ(50.7314, 49.2664, 35.3212)

Have a look what the booklet for
XYZ(50.7314, 49.2664, 35.3212)
contains.

XYZ(50.5586, 49.0708, 35.2407)	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(50.5586, 49.0708,
35.2407)**

Conversions

Conversions Part 1

Format	Color
Hex	DBB295
RGB	219, 178, 149
RGB Percent	86%, 70%, 58%
CMY	0.1412, 0.3019, 0.4157
CMYK	0.00, 0.19, 0.32, 0.14
HSL	25°, 49%, 72%
HSV	25°, 32%, 86%
XYZ	50.5586, 49.0708, 35.2407
YIQ	186.9530, 33.7450, -0.3270

Conversions

Conversions Part 2

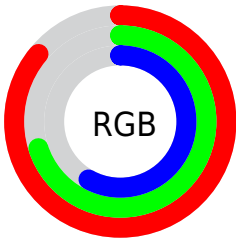
Format	Color
R _Y B	219, 199, 149
Decimal	14398101
CIE Lab	75.50, 10.75, 20.43
CIE LCh	75, 23.088, 62.255
Yxy	49.0708, 0.3749, 0.3638
Android (android.graphics.Color)	4292588181 (0xFFDDBB295)
YUV	186.9530, -18.7108, 28.1052
Hunter-Lab	70.0506, 6.2429, 19.2081

Details

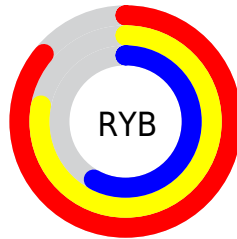
The XYZ color **50.5586, 49.0708, 35.2407** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.5935, 48.3293, 74.0487**, and the grayscale version is **47.2975, 49.7607, 54.1894**.

A 20% lighter version of the original color is **81.4423, 84.4174, 68.5016**, and **24.6425, 23.3356, 14.7607** is the 20% darker color. If you saturate the color by 10%, you get **46.5384, 43.5703, 26.0705**, and if you desaturate by 10%, it is **55.1487, 55.1847, 46.2240**.

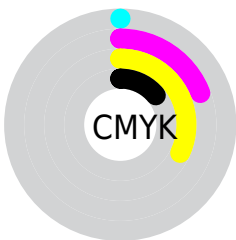
Distribution



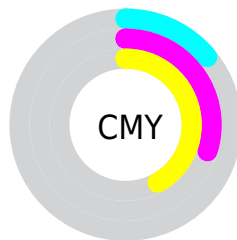
- Red (86%)
- Green (70%)
- Blue (58%)



- Red (86%)
- Yellow (78%)
- Blue (58%)



- Cyan (0%)
- Magenta (19%)
- Yellow (32%)
- Black (14%)




- Cyan (14%)
- Magenta (30%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5586, 49.0708, 35.2407 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 50.5586, 49.0708, 35.2407 by changing the saturation by 10% instead.

 50.5586, 49.0708,
35.2407


 50.5586, 49.0708,
35.2407


379.2624,
383.0210, 340.5660

 36.0771, 34.6756,
23.5633

 90.1889, 88.7966,
69.0143

 24.6641, 23.4131,
14.8008


 116.0683,
114.8960, 91.9475

 15.9544, 14.8989,
8.5346


146.4777,
145.6657, 119.4699

 9.5825, 8.7484,
4.3463

181.7825,
181.4899, 151.9998

 5.1832, 4.5775,
1.8172

222.3480,
222.7532, 189.9558

 2.3910, 2.0015,
0.4392

268.5396,

 0.8406, 0.6084,

269.8399, 233.7565

0.0000

320.7226,
323.1343, 283.8203

■ 0.0000, 0.0000,
0.0000

■ 50.5586, 49.0708,
35.2407

■ 50.5586, 49.0708,
35.2407

■ 46.5384, 43.5703,
26.0705

■ 55.1487, 55.1847,
46.2240

■ 43.0594, 38.6558,
18.6108

■ 60.3283, 61.9243,
59.1091

■ 40.0958, 34.3080,
12.7536

■ 66.1205, 69.3104,
73.9825

■ 37.6176, 30.5035,
8.3769

■ 72.5460, 77.3606,
90.9244

■ 35.5915, 27.2169,
5.3408

■ 79.0554, 85.8641,
107.0145

■ 33.9781, 24.4198,
3.4780

■ 83.0105, 93.7743,
108.3329

■ 32.9326, 22.4984,
2.6069

■ 83.0234, 93.8001,
108.3372

Harmonies

Analogous

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



53.9162, 49.0708, 41.8622



50.5586, 49.0708, 35.2407



46.3188, 49.0708, 33.2495

Triad

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



50.5586, 49.0708, 35.2407



38.9248, 49.0708, 54.3581



51.1500, 49.0708, 75.8259

Complementary

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



50.5586, 49.0708, 35.2407



43.5935, 48.3293, 74.0487

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.



46.9634, 49.0708, 80.4663



50.5586, 49.0708, 35.2407



40.0503, 49.0708, 66.9532

Square

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



50.5586, 49.0708, 35.2407



39.7599, 49.0708, 43.2357



42.9299, 49.0708, 76.9975



54.2720, 49.0708, 65.1121

Rectangle

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



50.5586, 49.0708, 35.2407



43.6063, 49.0708, 34.5260



42.9299, 49.0708, 76.9975



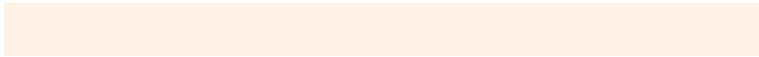
49.8119, 49.0708, 78.2155

Sweetspot

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



50.5599, 49.0731, 35.2417



86.6323, 89.3042, 87.1667



49.3651, 40.3171, 54.4707



18.3050, 18.8092, 18.0534



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.



50.5599, 49.0731, 35.2417



67.6716, 64.2350, 41.2248



58.1819, 64.3171, 37.7824



13.4970, 13.9334, 13.7036



19.6298, 13.5451, 1.5799



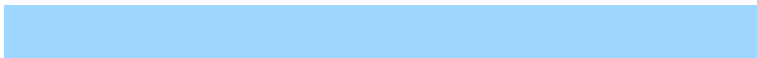
1.3554, 1.0449, 0.1302

Inverse Universe

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



43.5935, 48.3293, 74.0487



56.4323, 63.0233, 103.7982



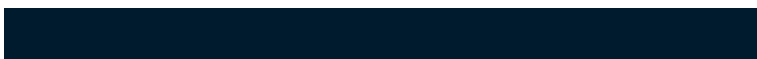
37.0696, 35.2816, 71.8741



12.9691, 13.8780, 16.6473



12.2890, 12.4474, 41.4933



0.8804, 0.9749, 2.7162

Previews

White Background



This preview shows how the XYZ color 50.5586, 49.0708, 35.2407 looks on a white background.

Color Contrast Check

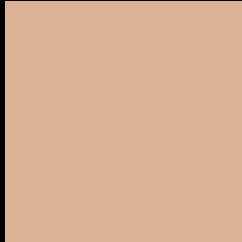
Large Text (above 18pt) WCAG AA × Fail

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 50.5586, 49.0708, 35.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

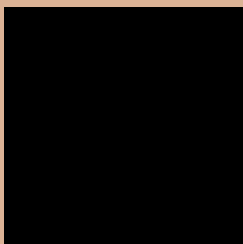
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5586, 49.0708, 35.2407

Background



This preview shows how black text looks on a background with the XYZ color 50.5586, 49.0708, 35.2407.



This preview shows how white text looks on a background with the XYZ color 50.5586, 49.0708,

35.2407.

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

50.5586, 49.0708, 35.2407

Protanopia

46.3346, 49.2880, 37.2084

Deuteranopia

50.1602, 49.1618, 35.2792



Tritanopia

54.2379, 49.1203, 53.0769

Trichromacy



Original Color

50.5586, 49.0708, 35.2407

Protanomaly

47.7778, 49.1131, 36.6674

Deuteranomaly

50.4584, 49.3156, 35.2932

Tritanomaly

52.9970, 49.2067, 46.2398

Monochromacy



Original Color

50.5586, 49.0708, 35.2407

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.2365, 49.4402, 46.5357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5586, 49.0708, 35.2407 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(219, 178, 149)` looks like.

```
.text, #text, p{  
    color:rgb(219, 178, 149)  
}
```

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(219, 178, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 178, 149) }
```

Border

The CSS property to change the border of an element to XYZ 50.5586, 49.0708, 35.2407 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(219, 178, 149) }
```


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

```
.border{ border-color:rgb(219, 178, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 178, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 178, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 178, 149);  
box-shadow:4px 4px 4px 4px rgb(219, 178,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5586, 49.0708, 35.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 178, 149) }
```

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

```
.background{ background-color: rgb(219,  
178, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor