

Converting Colors

XYZ(51.6324, 52.2332, 29.7666)

Have a look what the booklet for
XYZ(51.6324, 52.2332, 29.7666)
contains.

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Color

**XYZ(51.6808, 52.2112,
29.9082)**

Conversions

Conversions Part 1

Format	Color
Hex	DDBA86
RGB	221, 186, 134
RGB Percent	87%, 73%, 53%
CMY	0.1333, 0.2706, 0.4745
CMYK	0.00, 0.16, 0.39, 0.13
HSL	36°, 56%, 70%
HSV	36°, 39%, 87%
XYZ	51.6808, 52.2112, 29.9082
YIQ	190.5370, 37.5520, -8.7520

Conversions

Conversions Part 2

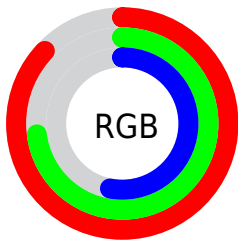
Format	Color
R _{YB}	193, 221, 134
Decimal	14531206
CIE Lab	77.41, 5.48, 31.04
CIE LCh	77, 31.518, 79.980
Yxy	52.2112, 0.3863, 0.3902
Android (android.graphics.Color)	4292721286 (0xFFDDBA86)
YUV	190.5370, -27.8727, 26.7161
Hunter-Lab	72.2573, 1.2187, 26.0393

Details

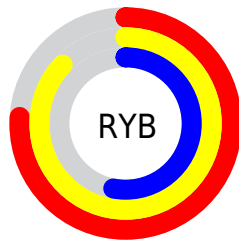
The XYZ color **51.6808, 52.2112, 29.9082** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.0702, 38.6635, 73.9156**, and the grayscale version is **49.3953, 51.9677, 56.5928**.

A 20% lighter version of the original color is **82.0692, 88.3951, 60.3134**, and **25.2976, 25.3077, 11.9390** is the 20% darker color. If you saturate the color by 10%, you get **48.4831, 48.0300, 22.0160**, and if you desaturate by 10%, it is **55.3198, 56.7592, 39.5377**.

Distribution



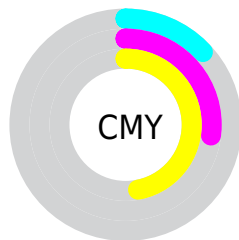
- Red (87%)
- Green (73%)
- Blue (53%)



- Red (76%)
- Yellow (87%)
- Blue (53%)



- Cyan (0%)
- Magenta (16%)
- Yellow (39%)
- Black (13%)



- Cyan (13%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6808, 52.2112, 29.9082 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 51.6808, 52.2112, 29.9082 by changing the saturation by 10% instead.

■ 51.6808, 52.2112,
29.9082

■ 51.6808, 52.2112,
29.9082

383.5473,
395.2514, 315.6703

■ 36.9740, 37.1734,
19.5175

■ 91.8373, 93.4426,
60.5763

■ 25.3609, 25.3418,
11.8642

■ 118.0177,
120.4051, 81.6907

■ 16.4763, 16.3319,
6.5299

■ 148.7534,
152.1113, 107.2167

■ 9.9548, 9.7593,
3.0959

184.4096,
188.9456, 137.5729

■ 5.4310, 5.2397,
1.1438

225.3517,
231.2923, 173.1778

■ 2.5397, 2.3886,
0.0000

271.9451,

■ 0.9153, 0.8200,

279.5359, 214.4500

0.0000

324.5552,
334.0608, 261.8080

■ 0.0000, 0.0000,
0.0000

■ 51.6808, 52.2112,
29.9082

■ 51.6808, 52.2112,
29.9082

■ 48.4831, 48.0300,
22.0160

■ 55.3198, 56.7592,
39.5377

■ 45.7003, 44.1960,
15.7507

■ 59.4167, 61.6781,
50.9993

■ 43.3093, 40.6982,
10.9942

■ 63.9919, 66.9813,
64.3847

■ 41.2820, 37.5221,
7.6105

■ 69.0632, 72.6789,
79.7784

■ 39.5859, 34.6507,
5.4391

■ 74.6474, 78.7807,
97.2599

■ 38.1687, 32.0596,
4.2167

■ 78.8358, 84.5262,
106.7678

■ 38.0842, 31.9030,
4.1506

■ 81.5078, 89.8701,
107.6585

■ 83.6288, 94.1122,
108.3655

Harmonies

Analogous

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



57.5034, 52.2112, 34.9276



51.6808, 52.2112, 29.9082



45.7486, 52.2112, 30.8962

Triad

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



51.6808, 52.2112, 29.9082



39.4582, 52.2112, 69.0334



59.0962, 52.2112, 81.1276

Complementary

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



51.6808, 52.2112, 29.9082



37.0702, 38.6635, 73.9156

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.



53.7148, 52.2112, 94.3414



51.6808, 52.2112, 29.9082



42.5016, 52.2112, 86.4327

Square

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



51.6808, 52.2112, 29.9082



39.0104, 52.2112, 51.2370



47.6248, 52.2112, 96.4591



62.0094, 52.2112, 62.8568

Rectangle

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



51.6808, 52.2112, 29.9082



42.5073, 52.2112, 34.9166



47.6248, 52.2112, 96.4591



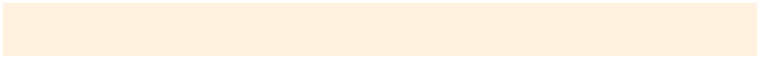
57.4963, 52.2112, 86.4529

Sweetspot

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



51.6821, 52.2136, 29.9093



86.7072, 90.5802, 83.7195



45.6236, 35.3347, 42.5705



18.3775, 19.1787, 17.3854



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.



51.6821, 52.2136, 29.9093



67.8860, 67.5381, 32.4352



57.8184, 67.6928, 32.5736



13.7000, 14.3394, 13.7713



22.2374, 18.7604, 2.4491



1.5242, 1.3826, 0.1865

Inverse Universe

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



37.0702, 38.6635, 73.9156



45.0734, 46.3985, 101.1879



32.6039, 27.9560, 72.0843



12.7664, 13.4726, 16.5798



9.7561, 7.3816, 40.6490



0.7151, 0.6442, 2.6611

Previews

White Background



This preview shows how the XYZ color 51.6808, 52.2112, 29.9082 looks on a white background.

Color Contrast Check

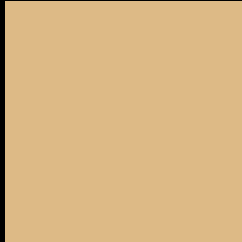
Large Text (above 18pt) WCAG AA × Fail

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 51.6808, 52.2112, 29.9082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

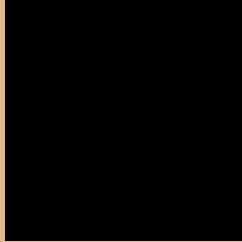
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6808, 52.2112, 29.9082

Background



This preview shows how black text looks on a background with the XYZ color 51.6808, 52.2112, 29.9082.



This preview shows how white text looks on a background with the XYZ color 51.6808, 52.2112,

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

51.6808, 52.2112, 29.9082

Protanopia

48.5283, 52.1610, 30.8029

Deuteranopia

53.3016, 52.1102, 30.1707



Tritanopia

57.1134, 51.9775, 56.8916

Trichromacy



Original Color

51.6808, 52.2112, 29.9082

Protanomaly

49.4347, 51.9933, 30.3519

Deuteranomaly

52.5650, 52.0378, 30.1955

Tritanomaly

54.9259, 51.9956, 45.6693

Monochromacy



Original Color

51.6808, 52.2112, 29.9082

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.8104, 51.8540, 45.4137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6808, 52.2112, 29.9082 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, 186, 134)` looks like.

```
.text, #text, p{  
    color:rgb(221, 186, 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(221, 186, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 186, 134) }
```

Border

The CSS property to change the border of an element to XYZ 51.6808, 52.2112, 29.9082 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, 186, 134) }
```


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

```
.border{ border-color:rgb(221, 186, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 186, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 186, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 186, 134);  
box-shadow:4px 4px 4px 4px rgb(221, 186,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6808, 52.2112, 29.9082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 186, 134) }
```

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

```
.background{ background-color: rgb(221,  
186, 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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