

Converting Colors

XYZ(51.9103, 52.3679, 30.4911)

Have a look what the booklet for
XYZ(51.9103, 52.3679, 30.4911)
contains.

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Color

**XYZ(51.8216, 52.2675,
30.6499)**

Conversions

Conversions Part 1

Format	Color
Hex	DDBA88
RGB	221, 186, 136
RGB Percent	87%, 73%, 53%
CMY	0.1333, 0.2706, 0.4667
CMYK	0.00, 0.16, 0.38, 0.13
HSL	35°, 56%, 70%
HSV	35°, 38%, 87%
XYZ	51.8216, 52.2675, 30.6499
YIQ	190.7650, 36.9100, -8.1300

Conversions

Conversions Part 2

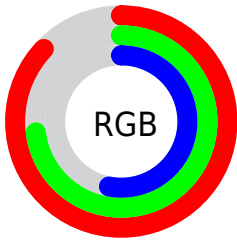
Format	Color
RYB	196, 221, 136
Decimal	14531208
CIELab	77.44, 5.71, 30.03
CIELCh	77, 30.567, 79.234
Yxy	52.2675, 0.3846, 0.3879
Android (android.graphics.Color)	4292721288 (0xFFDDBA88)
YUV	190.7650, -26.9991, 26.5161
Hunter-Lab	72.2963, 1.4294, 25.4715

Details

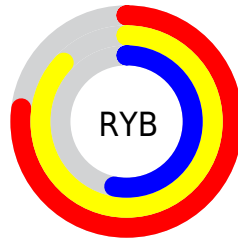
The XYZ color **51.8216, 52.2675, 30.6499** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.7669, 39.5792, 74.0556**, and the grayscale version is **49.5226, 52.1017, 56.7387**.

A 20% lighter version of the original color is **82.2864, 88.4820, 61.4570**, and **25.3771, 25.3395, 12.3576** is the 20% darker color. If you saturate the color by 10%, you get **48.5542, 47.9923, 22.5947**, and if you desaturate by 10%, it is **55.5376, 56.9213, 40.4535**.

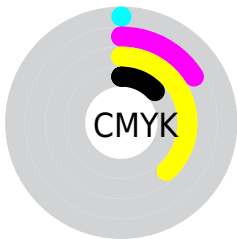
Distribution



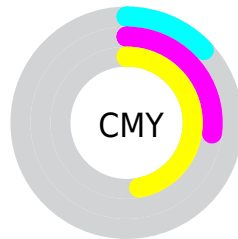
- Red (87%)
- Green (73%)
- Blue (53%)



- Red (77%)
- Yellow (87%)
- Blue (53%)



- Cyan (0%)
- Magenta (16%)
- Yellow (38%)
- Black (13%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8216, 52.2675, 30.6499 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 51.8216, 52.2675, 30.6499 by changing the saturation by 10% instead.


 51.8216, 52.2675,
30.6499


 51.8216, 52.2675,
30.6499


384.0828,
395.4684, 319.2233

 37.0866, 37.2183,
20.0762

 92.0439, 93.5256,
61.7616

 25.4485, 25.3766,
12.2658


 118.2618,
120.5034, 83.1366

 16.5420, 16.3578,
6.8002

 149.0382,
152.2261, 108.9491

 10.0018, 9.7777,
3.2609

184.7382,
189.0782, 139.6177

 5.4624, 5.2518,
1.2294

225.7274,
231.4441, 175.5608

 2.5586, 2.3958,
0.0028

272.3709,

 0.9249, 0.8237,

279.7082, 217.1971

0.0000

325.0343,
334.2548, 264.9451

■ 0.0000, 0.0000,
0.0000

■ 51.8216, 52.2675,
30.6499

■ 51.8216, 52.2675,
30.6499

■ 48.5542, 47.9923,
22.5947

■ 55.5376, 56.9213,
40.4535

■ 45.7091, 44.0759,
16.1782

■ 59.7187, 61.9580,
52.0994

■ 43.2631, 40.5071,
11.2836

■ 64.3854, 67.3912,
65.6789

■ 41.1884, 37.2709,
7.7766

■ 69.5556, 73.2313,
81.2761

■ 39.4528, 34.3507,
5.4993

■ 75.2463, 79.4885,
98.9700

■ 38.0093, 31.7235,
4.2176

■ 79.2052, 85.2649,
106.8910

■ 37.8031, 31.3408,
4.0569

■ 81.9602, 90.7749,
107.8093

■ 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.



57.4365, 52.2675, 35.7325



51.8216, 52.2675, 30.6499



46.0448, 52.2675, 31.4768

Triad

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



51.8216, 52.2675, 30.6499



39.7460, 52.2675, 68.2630



58.7474, 52.2675, 80.7914

Complementary

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



51.8216, 52.2675, 30.6499



37.7669, 39.5792, 74.0556

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.



53.4989, 52.2675, 93.3026



51.8216, 52.2675, 30.6499



42.6529, 52.2675, 85.1398

Square

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



51.8216, 52.2675, 30.6499



39.3746, 52.2675, 51.0714



47.5957, 52.2675, 95.0347



61.6397, 52.2675, 63.1784

Rectangle

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



51.8216, 52.2675, 30.6499



42.8624, 52.2675, 35.3260



47.5957, 52.2675, 95.0347



57.1818, 52.2675, 85.8698

Sweetspot

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



51.8229, 52.2699, 30.6510



86.6207, 90.4073, 83.6907



46.0137, 35.9372, 43.2485



18.3572, 19.1380, 17.3786



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.



51.8229, 52.2699, 30.6510



68.0476, 67.5700, 33.3869



58.0077, 67.7741, 33.3176



13.6894, 14.3182, 13.7678



22.0745, 18.4346, 2.3948



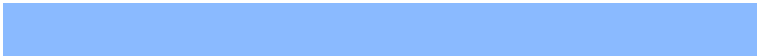
1.5142, 1.3625, 0.1832

Inverse Universe

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



37.7669, 39.5792, 74.0556



46.0391, 47.7127, 101.3907



33.1980, 28.6765, 72.1919



12.7768, 13.4933, 16.5832



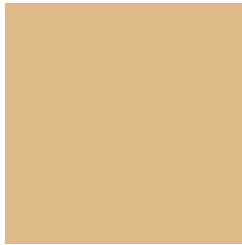
9.8597, 7.5889, 40.6835



0.7223, 0.6587, 2.6635

Previews

White Background



This preview shows how the XYZ color 51.8216, 52.2675, 30.6499 looks on a white background.

Color Contrast Check

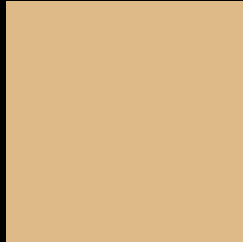
Large Text (above 18pt) WCAG AA × Fail

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 51.8216, 52.2675, 30.6499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

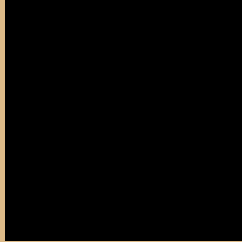
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8216, 52.2675, 30.6499

Background



This preview shows how black text looks on a background with the XYZ color 51.8216, 52.2675, 30.6499.



This preview shows how white text looks on a background with the XYZ color 51.8216, 52.2675,

30.6499.

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

51.8216, 52.2675, 30.6499

Protanopia

48.6718, 52.2184, 31.5586

Deuteranopia

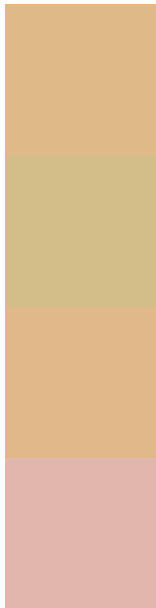
53.4438, 52.1671, 30.9194



Tritanopia

57.3131, 52.3769, 56.9582

Trichromacy



Original Color

51.8216, 52.2675, 30.6499

Protanomaly

49.5769, 52.0502, 31.1006

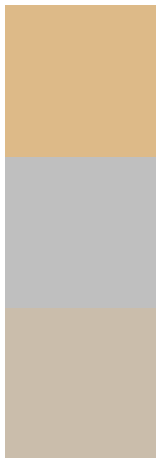
Deuteranomaly

52.7072, 52.0947, 30.9442

Tritanomaly

55.2257, 52.4420, 46.2413

Monochromacy



Original Color

51.8216, 52.2675, 30.6499

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.9054, 51.8920, 45.9139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8216, 52.2675, 30.6499 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(221, 186, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 186, 136) }
```

Border

The CSS property to change the border of an element to XYZ 51.8216, 52.2675, 30.6499 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, 136) }
```


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

```
.border{ border-color:rgb(221, 186, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 186, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 186, 136); box-shadow:4px 4px 4px 4px rgb(221, 186, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8216, 52.2675, 30.6499 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, 136) }
```

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

```
.background{ background-color: rgb(221,  
186, 136) }
```

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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