

Converting Colors

XYZ(51.1028, 49.3200, 36.7794)

Have a look what the booklet for
XYZ(51.1028, 49.3200, 36.7794)
contains.

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Color

**XYZ(51.1854, 49.3563,
36.9660)**

Conversions

Conversions Part 1

Format	Color
Hex	DCB299
RGB	220, 178, 153
RGB Percent	86%, 70%, 60%
CMY	0.1373, 0.3019, 0.4000
CMYK	0.00, 0.19, 0.30, 0.14
HSL	22°, 49%, 73%
HSV	22°, 30%, 86%
XYZ	51.1854, 49.3563, 36.9660
YIQ	187.7080, 33.0570, 1.1290

Conversions

Conversions Part 2

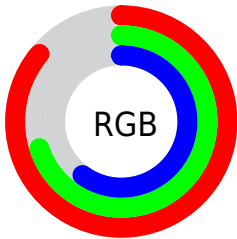
Format	Color
RYB	220, 193, 153
Decimal	14463641
CIELab	75.67, 11.65, 18.53
CIElCh	76, 21.892, 57.842
Yxy	49.3563, 0.3722, 0.3589
Android (android.graphics.Color)	4292653721 (0xFFDCB299)
YUV	187.7080, -17.1110, 28.3201
Hunter-Lab	70.2540, 7.1062, 17.9808

Details

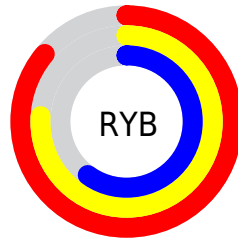
The XYZ color **51.1854, 49.3563, 36.9660** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.5698, 50.9685, 75.1466**, and the grayscale version is **47.7162, 50.2011, 54.6690**.

A 20% lighter version of the original color is **81.9253, 84.6106, 71.0450**, and **25.0417, 23.5191, 15.7902** is the 20% darker color. If you saturate the color by 10%, you get **46.9263, 43.4826, 27.3930**, and if you desaturate by 10%, it is **56.0580, 55.9202, 48.3974**.

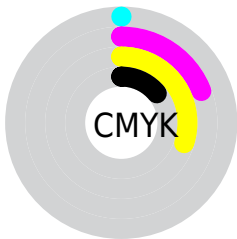
Distribution



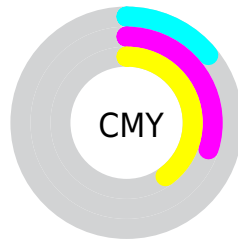
- Red (86%)
- Green (70%)
- Blue (60%)



- Red (86%)
- Yellow (76%)
- Blue (60%)



- Cyan (0%)
- Magenta (19%)
- Yellow (30%)
- Black (14%)





- Cyan (14%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1854, 49.3563, 36.9660 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 51.1854, 49.3563, 36.9660 by changing the saturation by 10% instead.


 51.1854, 49.3563,
36.9660


 51.1854, 49.3563,
36.9660


381.6595,
384.1433, 348.3276

 36.5778, 34.9022,
24.8856


 91.1101, 89.2204,
71.7062

 25.0530, 23.5876,
15.7736


 117.1580,
115.3992, 95.2031

 16.2455, 15.0279,
9.2115

147.7500,
146.2550, 123.3426

 9.7900, 8.8390,
4.7807

183.2515,
182.1723, 156.5432

 5.3211, 4.6363,
2.0627

224.0278,
223.5353, 195.2235

 2.4736, 2.0355,
0.5934

270.4444,

 0.8819, 0.6280,

270.7286, 239.8019

0.0000

322.8665,
324.1365, 290.6971

■ 0.0000, 0.0000,
0.0000

■ 51.1854, 49.3563,
36.9660

■ 51.1854, 49.3563,
36.9660

■ 46.9263, 43.4826,
27.3930

■ 56.0580, 55.9202,
48.3974

■ 43.2502, 38.2688,
19.5755

■ 61.5650, 63.1899,
61.7764

■ 40.1297, 33.6919,
13.4053

■ 67.7310, 71.1889,
77.1900

■ 37.5334, 29.7253,
8.7606

■ 74.5782, 79.9375,
94.7192

■ 35.4261, 26.3396,
5.5025

■ 80.8120, 88.9290,
107.5135

■ 33.7670, 23.5025,
3.4663

■ 83.3253, 93.9557,
108.3513

■ 32.5404, 21.2659,
2.3897

Harmonies

Analogous

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



54.1496, 49.3563, 43.9716



51.1854, 49.3563, 36.9660



47.2059, 49.3563, 34.3719

Triad

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



51.1854, 49.3563, 36.9660



39.5434, 49.3563, 52.9041



50.6483, 49.3563, 76.0034

Complementary

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



51.1854, 49.3563, 36.9660



45.5698, 50.9685, 75.1466

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.



46.6187, 49.3563, 79.2865



51.1854, 49.3563, 36.9660



40.3493, 49.3563, 64.8589

Square

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



51.1854, 49.3563, 36.9660



40.6155, 49.3563, 42.7097



42.8827, 49.3563, 74.9487



53.8271, 49.3563, 66.5241

Rectangle

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



51.1854, 49.3563, 36.9660



44.5630, 49.3563, 35.1634



42.8827, 49.3563, 74.9487



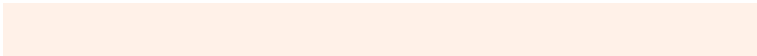
49.3415, 49.3563, 77.9231

Sweetspot

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



51.1867, 49.3586, 36.9670



87.1540, 89.7719, 89.1154



50.8063, 41.9585, 57.3085



18.3968, 18.8780, 18.4376



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.



51.1867, 49.3586, 36.9670



67.3508, 63.2381, 42.2130



58.5762, 64.1376, 39.4302



13.4521, 13.8436, 13.6887



19.1960, 12.6776, 1.4353



1.3247, 0.9835, 0.1200

Inverse Universe

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



45.5698, 50.9685, 75.1466



58.2153, 65.8364, 104.2472



38.9643, 37.7575, 72.9447



13.0153, 13.9703, 16.6627



13.0170, 13.9034, 41.7360



0.9249, 1.0640, 2.7311

Previews

White Background



This preview shows how the XYZ color 51.1854, 49.3563, 36.9660 looks on a white background.

Color Contrast Check

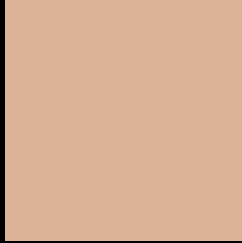
Large Text (above 18pt) WCAG AA × Fail

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 51.1854, 49.3563, 36.9660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

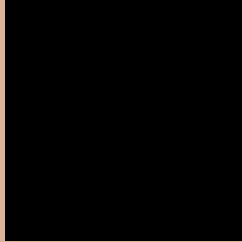
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1854, 49.3563, 36.9660

Background



This preview shows how black text looks on a background with the XYZ color 51.1854, 49.3563, 36.9660.



This preview shows how white text looks on a background with the XYZ color 51.1854, 49.3563,

36.9660.

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

51.1854, 49.3563, 36.9660

Protanopia

46.6707, 49.4224, 38.9780

Deuteranopia

50.1888, 49.1390, 36.9765



Tritanopia

54.6537, 49.3223, 53.6533

Trichromacy



Original Color

51.1854, 49.3563, 36.9660

Protanomaly

48.1111, 49.2464, 38.4223

Deuteranomaly

50.4851, 49.2918, 36.9904

Tritanomaly

53.4993, 49.4431, 47.2812

Monochromacy



Original Color

51.1854, 49.3563, 36.9660

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.6978, 49.6555, 47.5753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1854, 49.3563, 36.9660 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(220, 178, 153)` looks like.

```
.text, #text, p{  
    color:rgb(220, 178, 153)  
}
```

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(220, 178, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 178, 153) }
```

Border

The CSS property to change the border of an element to XYZ 51.1854, 49.3563, 36.9660 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(220, 178, 153) }
```


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

```
.border{ border-color:rgb(220, 178, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 178, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 178, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 178, 153);  
box-shadow:4px 4px 4px 4px rgb(220, 178,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1854, 49.3563, 36.9660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 178, 153) }
```

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

```
.background{ background-color: rgb(220,  
178, 153) }
```

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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