

# Converting Colors

XYZ(53.1058, 55.0319, 36.4932)

Have a look what the booklet for  
XYZ(53.1058, 55.0319, 36.4932)  
contains.

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# **Color**

**XYZ(53.1903, 55.0937,  
36.6849)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9C196
RGB	217, 193, 150
RGB Percent	85%, 76%, 59%
CMY	0.1490, 0.2431, 0.4118
CMYK	0.00, 0.11, 0.31, 0.15
HSL	39°, 47%, 72%
HSV	39°, 31%, 85%
XYZ	53.1903, 55.0937, 36.6849
YIQ	195.2740, 28.1070, -8.2850

# Conversions

## Conversions Part 2

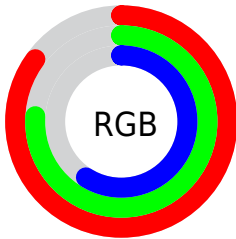
Format	Color
<a href="#">RYB</a>	<a href="#">187, 217, 150</a>
Decimal	<a href="#">14270870</a>
CIELab	<a href="#">79.10, 2.14, 24.79</a>
CIELCh	<a href="#">79, 24.882, 85.061</a>
Yxy	<a href="#">55.0937, 0.3669, 0.3800</a>
Android (android.graphics.Color)	<a href="#">4292460950 (0xFFD9C196)</a>
YUV	<a href="#">195.2740, -22.3201, 19.0537</a>
Hunter-Lab	<a href="#">74.2251, -1.9795, 22.6542</a>

# Details

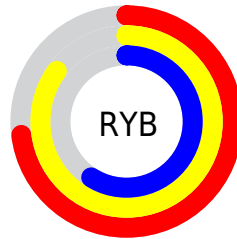
The XYZ color **53.1903, 55.0937, 36.6849** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.2378, 41.7647, 71.5864**, and the grayscale version is **52.1536, 54.8697, 59.7531**.

A 20% lighter version of the original color is **86.0148, 93.3710, 70.6157**, and **26.3282, 27.2341, 15.6734** is the 20% darker color. If you saturate the color by 10%, you get **49.9295, 51.1141, 27.7608**, and if you desaturate by 10%, it is **56.8679, 59.3883, 47.3456**.

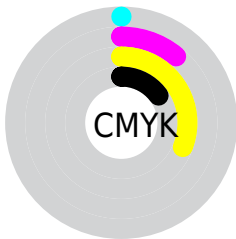
# Distribution



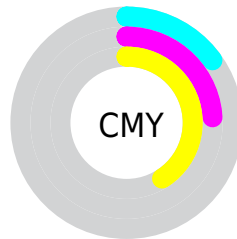
- Red (85%)
- Green (76%)
- Blue (59%)



- Red (73%)
- Yellow (85%)
- Blue (59%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (15%)




- Cyan (15%)
- Magenta (24%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1903, 55.0937, 36.6849 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 53.1903, 55.0937, 36.6849 by changing the saturation by 10% instead.





 53.1903, 55.0937,  
36.6849

 53.1903, 55.0937,  
36.6849


389.2637,  
406.2670, 347.0718

 38.1828, 39.4767,  
24.6697


 94.0482, 97.6782,  
71.2688

 26.3024, 27.1308,  
15.6144


 120.6293,  
125.4146, 94.6746

 17.1839, 17.6715,  
9.1003


151.7990,  
157.9595, 122.7144

 10.4618, 10.7144,  
4.7090

187.9227,  
195.6975, 155.8067

 5.7708, 5.8751,  
2.0218

229.3656,  
239.0128, 194.3701

 2.7456, 2.7693,  
0.5686

276.4932,

 1.0207, 1.0125,

288.2899, 238.8230

0.0000

329.6708,  
343.9132, 289.5841

■ 0.0000, 0.0000,  
0.0000

■ 53.1903, 55.0937,  
36.6849

■ 53.1903, 55.0937,  
36.6849

■ 49.9295, 51.1141,  
27.7608

■ 56.8679, 59.3883,  
47.3456

■ 47.0619, 47.4322,  
20.4752

■ 60.9758, 63.9998,  
59.8268

■ 44.5680, 44.0397,  
14.7254


■ 65.5322, 68.9393,  
74.2113


■ 42.4243, 40.9251,  
10.3956


■ 70.5528, 74.2154,  
90.5755


■ 40.6044, 38.0754,  
7.3532


■ 75.4836, 79.6082,  
105.9952

 39.0768, 35.4755,  
5.4405

 77.7181, 84.0773,  
106.7401

 37.8892, 33.2995,  
4.4305

 80.0506, 88.7423,  
107.5176

 82.4253, 93.4918,  
108.3092

# Harmonies

## Analogous

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



58.0184, 55.0937, 40.2692



53.1903, 55.0937, 36.6849



48.4286, 55.0937, 38.4931

# Triad

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



53.1903, 55.0937, 36.6849



44.1928, 55.0937, 72.3154



60.5777, 55.0937, 77.0276

# Complementary

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



53.1903, 55.0937, 36.6849



40.2378, 41.7647, 71.5864

# 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.



56.5089, 55.0937, 88.2843



53.1903, 55.0937, 36.6849



47.0911, 55.0937, 85.2766

# Square

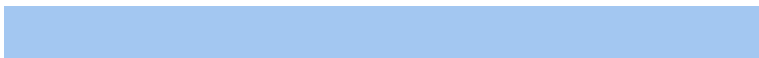
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.1903, 55.0937, 36.6849



43.4272, 55.0937, 57.6667



51.5481, 55.0937, 91.5182



62.4518, 55.0937, 62.3701



# Rectangle

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



53.1903, 55.0937, 36.6849



45.9006, 55.0937, 42.6905



51.5481, 55.0937, 91.5182



59.4093, 55.0937, 81.4207

# Sweetspot

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



53.1917, 55.0962, 36.6860



89.0063, 93.4765, 89.7328



47.2175, 39.6432, 45.4986



18.8528, 19.7900, 18.5896



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.



53.1917, 55.0962, 36.6860



73.5541, 75.6446, 44.2808



56.3494, 65.2475, 38.4790



13.7496, 14.4385, 13.7878



23.0393, 20.3641, 2.7164



1.5730, 1.4800, 0.2028



# Inverse Universe

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



40.2378, 41.7647, 71.5864



52.0674, 53.5406, 102.1979



37.7162, 34.1873, 70.2568



12.7184, 13.3766, 16.5637



9.3097, 6.4889, 40.5002



0.6830, 0.5802, 2.6504



# Previews

## White Background



This preview shows how the XYZ color 53.1903, 55.0937, 36.6849 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 53.1903, 55.0937, 36.6849 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

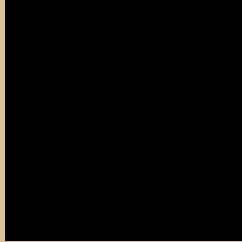
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.1903, 55.0937, 36.6849**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.1903, 55.0937, 36.6849.



This preview shows how white text looks on a background with the XYZ color 53.1903, 55.0937,



# 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

53.1903, 55.0937, 36.6849

### Protanopia

51.6203, 55.2695, 37.2256

### Deuteranopia

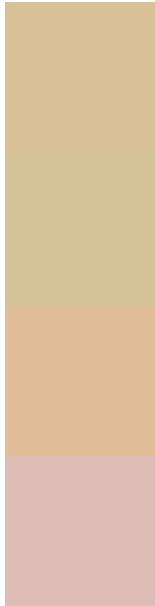
56.2023, 55.0238, 36.9366



## Tritanopia

58.5329, 55.0228, 62.7938

# Trichromacy



## Original Color

53.1903, 55.0937, 36.6849

## Protanomaly

52.2524, 55.2616, 37.1907

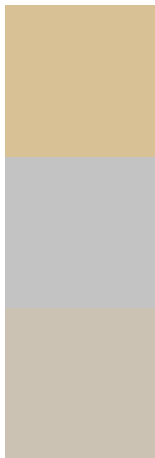
## Deuteranomaly

55.0507, 55.0688, 37.0060

## Tritanomaly

56.4599, 55.1447, 51.9242

# Monochromacy



## Original Color

53.1903, 55.0937, 36.6849

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

52.0571, 54.5348, 50.4304

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1903, 55.0937, 36.6849 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(217, 193, 150)` looks like.

```
.text, #text, p{  
    color:rgb(217, 193, 150)  
}
```

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(217, 193, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 193, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1903, 55.0937, 36.6849 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(217, 193, 150) }
```



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

```
.border{ border-color:rgb(217, 193, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 193, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 193, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 193, 150);  
box-shadow:4px 4px 4px 4px rgb(217, 193,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1903, 55.0937, 36.6849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 193, 150) }
```

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

```
.background{ background-color: rgb(217,  
193, 150) }
```

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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