

# Converting Colors

XYZ(53.2253, 58.0772, 29.3598)

Have a look what the booklet for  
XYZ(53.2253, 58.0772, 29.3598)  
contains.

<b>XYZ(53.2348, 57.9839, 29.5053)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(53.2348, 57.9839,  
29.5053)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8C982
RGB	216, 201, 130
RGB Percent	85%, 79%, 51%
CMY	0.1529, 0.2117, 0.4902
CMYK	0.00, 0.07, 0.40, 0.15
HSL	50°, 52%, 68%
HSV	50°, 40%, 85%
XYZ	53.2348, 57.9839, 29.5053
YIQ	197.3910, 31.7310, -18.9010

# Conversions

## Conversions Part 2

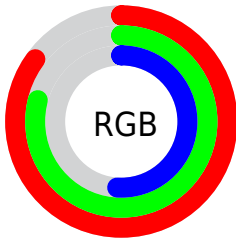
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 216, 130
Decimal	14207362
CIELab	80.73, -4.79, 37.35
CIELCh	81, 37.659, 97.305
Yxy	57.9839, 0.3783, 0.4120
Android (android.graphics.Color)	4292397442 (0xFFD8C982)
YUV	197.3910, -33.2238, 16.3201
Hunter-Lab	76.1472, -8.4674, 30.3295

# Details

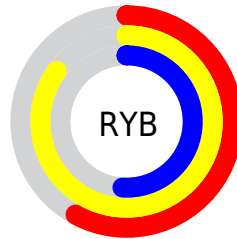
The XYZ color **53.2348, 57.9839, 29.5053** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.7258, 29.9536, 69.0752**, and the grayscale version is **53.4898, 56.2754, 61.2839**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **26.3422, 28.9055, 11.5881** is the 20% darker color. If you saturate the color by 10%, you get **51.0678, 55.7316, 22.3655**, and if you desaturate by 10%, it is **55.7306, 60.4064, 38.2575**.

# Distribution



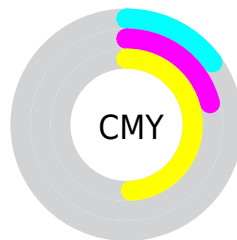
- Red (85%)
- Green (79%)
- Blue (51%)



- Red (58%)
- Yellow (85%)
- Blue (51%)



- Cyan (0%)
- Magenta (7%)
- Yellow (40%)
- Black (15%)



- Cyan (15%)
- Magenta (21%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2348, 57.9839, 29.5053 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 53.2348, 57.9839, 29.5053 by changing the saturation by 10% instead.



■ 53.2348, 57.9839,  
29.5053

■ 53.2348, 57.9839,  
29.5053

389.4314,  
417.1259, 313.7269

■ 38.2185, 41.7957,  
19.2145

■ 94.1133, 101.8994,  
59.9307

■ 26.3303, 28.9414,  
11.6470

■ 120.7061,  
130.3955, 80.9024

■ 17.2049, 19.0365,  
6.3842

■ 151.8886,  
163.7631, 106.2715

■ 10.4769, 11.6966,  
3.0075

188.0259,  
202.3864, 136.4565

■ 5.7809, 6.5375,  
1.0985

229.4835,  
246.6500, 171.8761

■ 2.7517, 3.1746,  
0.0000

276.6267,

■ 1.0239, 1.2235,

296.9382, 212.9486

0.0000

329.8209,  
353.6354, 260.0927

■ 0.0000, 0.0808,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.2348, 57.9839,  
29.5053

■ 53.2348, 57.9839,  
29.5053

■ 51.0678, 55.7316,  
22.3655

■ 55.7306, 60.4064,  
38.2575

■ 49.2059, 53.6334,  
16.7333


■ 58.5685, 62.9983,  
48.7108


■ 47.6290, 51.6831,  
12.4973


■ 61.7664, 65.7692,  
60.9518


■ 46.3126, 49.8708,  
9.5289


■ 65.3394, 68.7253,  
75.0601


 45.2275, 48.1845,  
7.6759


 69.3020, 71.8725,  
91.1107

 44.3230, 46.6035,  
6.6709

 72.9178, 74.9167,  
105.2249

 44.3068, 46.5747,  
6.6546

 73.9389, 76.9589,  
105.5653

 74.9825, 79.0461,  
105.9132

 76.0488, 81.1787,  
106.2686

# Harmonies

## Analogous

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



61.0767, 57.9839, 31.3267



53.2348, 57.9839, 29.5053



46.5478, 57.9839, 34.8602

# Triad

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



53.2348, 57.9839, 29.5053



44.0666, 57.9839, 92.7639



70.0691, 57.9839, 81.1148

# Complementary

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



53.2348, 57.9839, 29.5053



31.7258, 29.9536, 69.0752

# 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.



64.6670, 57.9839, 103.6291



53.2348, 57.9839, 29.5053



49.5488, 57.9839, 111.3820

# Square

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



53.2348, 57.9839, 29.5053



41.5871, 57.9839, 68.7305



57.0327, 57.9839, 115.7662



71.2908, 57.9839, 57.8510



# Rectangle

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



53.2348, 57.9839, 29.5053



43.4756, 57.9839, 42.7360



57.0327, 57.9839, 115.7662



68.6588, 57.9839, 89.1687

# Sweetspot

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



53.2362, 57.9866, 29.5065



88.8304, 94.8265, 84.4273



41.4721, 32.6329, 31.2127



18.8788, 20.1814, 17.5525



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.



53.2362, 57.9866, 29.5065



74.7718, 81.5939, 33.8540



49.5138, 61.5126, 30.3833



13.2801, 14.1343, 13.1890



26.2958, 27.7088, 3.9624



1.6356, 1.7704, 0.2555



# Inverse Universe

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



31.7258, 29.9536, 69.0752



39.2058, 35.2659, 99.3484



34.3280, 28.1154, 68.5832



11.9159, 12.3553, 15.6943



7.7953, 3.8525, 38.7859

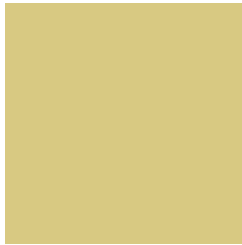


0.5245, 0.3411, 2.3575



# Previews

## White Background



This preview shows how the XYZ color 53.2348, 57.9839, 29.5053 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

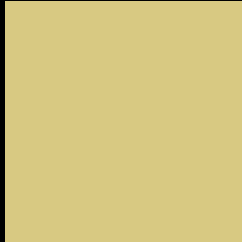
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2348, 57.9839, 29.5053 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

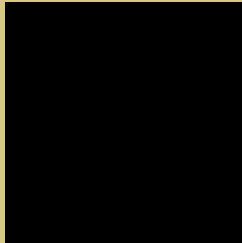
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.2348, 57.9839, 29.5053**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2348, 57.9839, 29.5053.



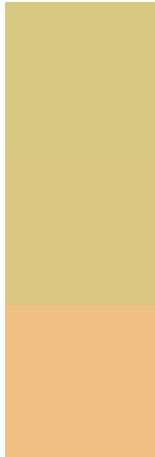
This preview shows how white text looks on a background with the XYZ color 53.2348, 57.9839,



# 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

53.2348, 57.9839, 29.5053

### Protanopia

53.5970, 57.8257, 29.4557

### Deuteranopia

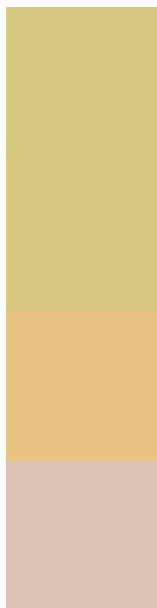
59.2901, 58.0660, 29.9127



## Tritanopia

60.8526, 58.0516, 67.0293

# Trichromacy



## Original Color

53.2348, 57.9839, 29.5053

## Protanomaly

53.2988, 57.6720, 29.4417

## Deuteranomaly

56.8906, 57.8247, 29.6356

## Tritanomaly

57.4706, 57.6570, 50.7477

# Monochromacy



## Original Color

53.2348, 57.9839, 29.5053

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

52.6387, 56.2427, 47.6167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2348, 57.9839, 29.5053 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(216, 201, 130)` looks like.

```
.text, #text, p{  
    color:rgb(216, 201, 130)  
}
```

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(216, 201, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 201, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2348, 57.9839, 29.5053 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(216, 201, 130) }
```



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

```
.border{ border-color:rgb(216, 201, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 201, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 201, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 201, 130);  
box-shadow:4px 4px 4px 4px rgb(216, 201,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2348, 57.9839, 29.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 201, 130) }
```

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

```
.background{ background-color: rgb(216,  
201, 130) }
```

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